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## Procedures for the Analysis of Comparative Data Using Phylogenetically Independent Contrasts

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1685	The Evolution of Female-Biased Sexual Size Dimorphism: A Population-Level Comparative Study in Horned Lizards (Phrynosoma). <i>Evolution; International Journal of Organic Evolution</i> , <b>1998</b> , 52, 1821	3.8	60
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1681	Relative-Rate Tests and Biological Causes of Molecular Evolution in Hummingbirds. <i>Molecular Biology and Evolution</i> , <b>1998</b> , 15, 481-491	8.3	21
1680	STABILIZING SELECTION AND VARIANCE IN FIG WASP SEX RATIOS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1998</b> , 52, 475-485	3.8	81
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1667	Males Feeding Females during Incubation. I. Required by Microclimate or Constrained by Nest Predation?. <b>1999</b> , 153, 131-139		122
1666	Do Lizards Avoid Habitats in Which Performance Is Submaximal? The Relationship between Sprinting Capabilities and Structural Habitat Use in Caribbean Anoles. <b>1999</b> , 154, 293-305		198
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1659	Growth Curves for Graptemys, with a Comparison to Other Emydid Turtles. <b>1999</b> , 142, 141-151		17
1658	Theropod hind limb disparity revisited: comments on Gatesy and Middleton (1997). <b>1999</b> , 19, 602-605		16
1657	The Diving Response Mechanism and its Surprising Evolutionary Path in Seals and Sea Lions. <b>1999</b> , 39, 434-450		37
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1651	Optimal timing of first reproduction in parasitic nematodes. <b>1999</b> , 12, 1148-1156		50
1650	The Problem of Adult Play Fighting: A Comparative Analysis of Play and Courtship in Primates. <b>1999</b> , 105, 783-806		46
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1648	The intra- and interspecific relationships between abundance and distribution in helminth parasites of birds. <b>1999</b> , 68, 719-725		32
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1645	Relationships between geographical range size, body size, local abundance, and habitat breadth in North American suckers and sunfishes. <b>1999</b> , 26, 549-558	92
1644	A comparative study on the evolution of reversed size dimorphism in monogamous waders. <b>1999</b> , 67, 1-18	47
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1642	Life histories of the Insectivora: the role of phylogeny, metabolism and sex differences. <b>1999</b> , 249, 315-337	48
1641	Sprint performance of phrynosomatid lizards, measured on a high-speed treadmill, correlates with hindlimb length. <b>1999</b> , 248, 255-265	146
1640	Body size vs abundance among parasite species: positive relationships?. <b>1999</b> , 22, 246-250	43
1639	Inferring the historical patterns of biological evolution. <b>1999</b> , 401, 877-84	3256
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1637	The roles of phylogeny and sociality in the evolution of social play in muroid rodents. <b>1999</b> , 58, 361-373	53
1636	Uncertainty in the reconstruction of ancestral character states and limitations on the use of phylogenetic comparative methods. <b>1999</b> , 58, 1319-1324	129
1635	Statistics of sexual size dimorphism. <b>1999</b> , 36, 423-58	288
1634	Speciation and diversification of parasite lineages: an analysis of congeneric parasite species in vertebrates. <b>1999</b> , 13, 455	13
1633	Evolutionary rates of secondary sexual and non-sexual characters among birds. <b>1999</b> , 13, 283-303	15
1632	Species richness, species range size and ecological specialisation among African primates: geographical patterns and conservation implications. <b>1999</b> , 8, 1033-1056	101
1631	Is digital dexterity really related to corticospinal projections?: a re-analysis of the Heffner and Masterton data set using modern comparative statistics. <b>1999</b> , 101, 173-87	66
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1628	Allometry of Constitutive Defense: A Model and a Comparative Test with Tree Bark and Fire Regime. <b>1999</b> , 153, 614-632	99

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1625	Diversity in Relation to Body Size in Mammals: A Comparative Study. <b>1999</b> , 153, 110-123		85
1624	Sexual Size Dimorphism and Reproductive Investment by Female Spiders: A Comparative Analysis. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 1987	3.8	65
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1622	Evolution of Foraging Strategies in Shorebirds: An Ecomorphological Approach. <b>1999</b> , 116, 712-725		75
1621	A Phylogenetic Test of Ecomorphological Adaptation in Cancer Crabs. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 961	3.8	3
1620	Energetics of free-ranging mammals, reptiles, and birds. <b>1999</b> , 19, 247-77		617
1619	Secondarily diurnal geckos return to cost of locomotion typical of diurnal lizards. <b>1999</b> , 72, 339-51		21
1618	Evolution of Multiple Kinds of Female Sperm-Storage Organs in Drosophila. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 1804	3.8	115
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1616	CONVERGENT EVOLUTION OF COURTSHIP SONGS AMONG CRYPTIC SPECIES OF THE CARNEA GROUP OF GREEN LACEWINGS (NEUROPTERA: CHRYSOPIDAE: CHRYSOPERLA). <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 1165-1179	3.8	65
1615	EVOLUTION OF MULTIPLE KINDS OF FEMALE SPERM-STORAGE ORGANS IN DROSOPHILA. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 1804-1822	3.8	260
1614	SEXUAL SIZE DIMORPHISM AND REPRODUCTIVE INVESTMENT BY FEMALE SPIDERS: A COMPARATIVE ANALYSIS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 1987-1994	3.8	57
1613	A PHYLOGENETIC TEST OF ECOMORPHOLOGICAL ADAPTATION IN CANCER CRABS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 961-965	3.8	6
1612	Showiness of Neotropical Birds in Relation to Ectoparasite Abundance and Foraging Stratum. <b>1999</b> , 87, 157		8
1611	Song versus plumage in some North American Oscines: Testing Darwin's hypothesis. <b>2000</b> , 7, 137-148		7
1610	Comparative analyses of the role of postnatal development on the expression of play fighting. <b>2000</b> , 36, 136-147		44

1609	Testing character correlation using pairwise comparisons on a phylogeny. <b>2000</b> , 202, 195-204		134
1608	Phylogenetic tests of ecological and evolutionary hypotheses: checking for phylogenetic independence. <i>Functional Ecology</i> , <b>2000</b> , 14, 129-134	5.6	76
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1606	An analysis and review of models of the sociobiology of the Mustelidae. <b>2000</b> , 30, 171-196		102
1605	The comparative evolution of lizard claw and toe morphology and clinging performance. <b>2000</b> , 13, 316-325		152
1604	Adult-Adult Play in Primates: Comparative Analyses of its Origin, Distribution and Evolution. <b>2000</b> , 106, 1083-1104		65
1603	Intrinsic aging-related mortality in birds. <b>2000</b> , 31, 103-111		90
1602	Do polyandrous shorebirds trade off egg size with egg number?. <b>2000</b> , 31, 473-478		7
1601	Patterns of growth and heterochrony in moundbuilders (Megapodiidae) and fowl (Phasianidae). <b>2000</b> , 31, 527-547		23
1600	A comparative study of seed number, seed size, seedling size and recruitment in grassland plants. <b>2000</b> , 88, 494-502		411
1599	Explanations of commonness and rarity in British breeding birds: separating resource use and resource availability. <b>2000</b> , 88, 515-526		139
1598	THE RELATIONSHIP BETWEEN SEXUAL SIZE DIMORPHISM AND HABITAT USE IN GREATER ANTILLEAN ANOLIS LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 259-272	3.8	22
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1596	Multiple origins of eusociality among sponge-dwelling shrimps ( <i>Synalpheus</i> ). <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 503-16	3.8	94
1595	Sexual size dimorphism in shorebirds, gulls, and alcids: the influence of sexual and natural selection. <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1404-13	3.8	169
1594	Taxon sampling, correlated evolution, and independent contrasts. <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1480-92	3.8	185
1593	Body size, egg size, and their interspecific relationships with ecological and life history traits in butterflies (Lepidoptera: Papilionoidea, Hesperioidea). <b>2000</b> , 70, 251-284		117
1592	Decoupled evolution of display morphology and display behaviour in phrynosomatid lizards. <b>2000</b> , 70, 597-612		36



1591	Evolutionary relationships between morphology, performance and habitat openness in the lizard genus <i>Niveoscincus</i> (Scincidae: Lygosominae). <b>2000</b> , 70, 667-683	17
1590	Evolution of sexual dichromatism: contribution of carotenoid- versus melanin-based coloration. <b>2000</b> , 69, 153-172	195
1589	A comparative analysis of pollen limitation in flowering plants. <b>2000</b> , 69, 503-520	417
1588	Theropod forelimb design and evolution. <b>2000</b> , 128, 149-187	71
1587	Genetic variation and prevalence of blood parasites do not correlate among bird species. <b>2000</b> , 252, 381-388	13
1586	Interspecific scaling of the hindlimb skeleton in lizards, crocodylians, felids and canids: does limb bone shape correlate with limb posture?. <b>2000</b> , 250, 507-531	51
1585	Testes size, body size and male-male competition in acanthocephalan parasites. <b>2000</b> , 250, 551-558	33
1584	Correlates of population density and body weight of raptors in the family Accipitridae: a comparative study. <b>2000</b> , 250, 185-191	4
1583	Pinniped diving response mechanism and evolution: a window on the paradigm of comparative biochemistry and physiology. <b>2000</b> , 126, 435-58	30
1582	Metazoan parasite species richness and genetic variation among freshwater fish species: cause or consequence?. <b>2000</b> , 30, 697-703	19
1581	Nestedness, anti-nestedness, and the relationship between prevalence and intensity in ectoparasite assemblages of marine fish: a spatial model of species coexistence. <b>2000</b> , 30, 1147-52	73
1580	Haematozoan Parasites and Migratory Behaviour in Waterfowl. <b>2000</b> , 14, 143-153	96
1579	Evolutionary relationships between morphology, performance and habitat openness in the lizard genus <i>Niveoscincus</i> (Scincidae: Lygosominae). <b>2000</b> , 70, 667-683	75
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1577	The Phylogenetic Approach to Avian Life Histories: An Important Complement to Within-Population Studies. <b>2000</b> , 102, 52-59	16
1576	Density Dependence, Evolutionary Optimization, and the Diversification of Avian Life Histories. <b>2000</b> , 102, 9-22	162
1575	Does Beak Size Affect Acoustic Frequencies in Woodcreepers?. <b>2000</b> , 102, 553-560	45
1574	The relationships between brain regions and forelimb dexterity in marsupials (Marsupialia): a comparative test of the principle of proper mass. <b>2000</b> , 48, 99	14

1573	SEXUAL SIZE DIMORPHISM IN SHOREBIRDS, GULLS, AND ALCIDS: THE INFLUENCE OF SEXUAL AND NATURAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1404	3.8	6
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1571	Fels-Rand: an Xlisp-Stat program for the comparative analysis of data under phylogenetic uncertainty. <b>2000</b> , 16, 1010-3		4
1570	Allometric Slopes and Independent Contrasts: A Comparative Test of Kleiber's Law in Primate Ranging Patterns. <b>2000</b> , 156, 519-533		87
1569	The adjustment of avian metabolic rates and water fluxes to desert environments. <b>2000</b> , 73, 461-79		168
1568	Comparative and behavioral analyses of preferred speed: <i>Anolis</i> lizards as a model system. <b>2000</b> , 73, 428-37		47
1567	The Zoogeography of Mammalian Basal Metabolic Rate. <b>2000</b> , 156, 201-219		340
1566	DETERMINANTS OF PLANT EXTINCTION AND RARITY 145 YEARS AFTER EUROPEAN SETTLEMENT OF AUCKLAND, NEW ZEALAND. <b>2000</b> , 81, 3048-3061		95
1565	Reproductive Characteristics of the Lacertid Lizard <i>Podarcis atrata</i> . <b>2000</b> , 2000, 748-756		13
1564	MULTIPLE ORIGINS OF EUSOCIALITY AMONG SPONGE-DWELLING SHRIMPS ( <i>SYNALPHEUS</i> ). <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 503	3.8	5
1563	Parasite community structure in <i>Pimephales promelas</i> (Pisces: Cyprinidae) from two converging streams. <b>2000</b> , 86, 654-6		10
1562	TAXON SAMPLING, CORRELATED EVOLUTION, AND INDEPENDENT CONTRASTS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1480	3.8	9
1561	Mammalian metabolism, longevity and parasite species richness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 267, 1999-2003	4.4	89
1560	MAMMALIAN HAIR DIAMETER AS A POSSIBLE MECHANISM FOR HOST SPECIALIZATION IN CHEWING LICE. <b>2000</b> , 81, 999-1007		16
1559	Prolonged offspring dependence and cooperative breeding in birds. <b>2000</b> , 11, 367-377		97
1558	Helminths in an intensively stocked population of lake trout, <i>Salvelinus namaycush</i> , from Lake Huron. <b>2000</b> , 86, 639-42		4
1557	Phylogenetic analysis of coadaptation in behavior, diet, and body size in the African antelope. <b>2000</b> , 11, 452-463		128
1556	INDEPENDENT CONTRASTS SUCCEED WHERE ANCESTOR RECONSTRUCTION FAILS IN A KNOWN BACTERIOPHAGE PHYLOGENY. <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 397	3.8	11

1555	THE RELATIONSHIP BETWEEN SEXUAL SIZE DIMORPHISM AND HABITAT USE IN GREATER ANTILLEAN ANOLIS LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 259	3.8	14
1554	Parasite body size and interspecific variation in levels of aggregation among nematodes. <b>2000</b> , 86, 642-7		20
1553	Comparative tests of primate cognition: different scaling methods produce different results. <b>2000</b> , 55, 44-52		127
1552	Predicting extinction risk in declining species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 267, 1947-52	4.4	1017
1551	Rensch's Rule Crosses the Line: Convergent Allometry of Sexual Size Dimorphism in Hummingbirds and Flower Mites. <b>2000</b> , 156, 495-510		117
1550	Macroecology of local insect communities. <b>2000</b> , 21, 21-28		14
1549	Evolution of regulatory responses to feeding in snakes. <b>2000</b> , 73, 123-41		174
1548	Promiscuity and the primate immune system. <b>2000</b> , 290, 1168-70		201
1547	Detection of heat shock protein-70 from <i>Trichinella spiralis</i> larvae using a modification of the routine western blotting procedure. <b>2000</b> , 86, 637-9		10
1546	Egg size variation as a function of environmental variability in parasitic trematodes. <b>2000</b> , 78, 564-569		20
1545	The relative importance of body size, phylogeny, locomotion, and diet in the evolution of forelimb dexterity in fissiped carnivores (Carnivora). <b>2000</b> , 78, 1110-1125		39
1544	Nematode parasite species richness and the evolution of spleen size in birds. <b>2000</b> , 78, 1356-1360		66
1543	Is Bergmann's Rule Valid for Mammals?. <b>2000</b> , 156, 390-415		471
1542	Comparative analyses for adaptive radiations. <b>2000</b> , 355, 1599-605		103
1541	Reassignment of <i>Lamanema</i> from Nematodirinae to Molineinae (Nematoda: Trichostrongyloidea). <b>2000</b> , 86, 647-50		12
1540	Using the Past to Predict the Present: Confidence Intervals for Regression Equations in Phylogenetic Comparative Methods. <b>2000</b> , 155, 346-364		694
1539	PHYLOGENETIC AUTOCORRELATION UNDER DISTINCT EVOLUTIONARY PROCESSES. <i>Evolution; International Journal of Organic Evolution</i> , <b>2001</b> , 55, 1104	3.8	3
1538	Short-term impacts of extreme environmental disturbance on the bats of Puerto Rico. <b>2001</b> , 4, 59-66		48

1537	Intrasexual selection predicts the evolution of signal complexity in lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2001</b> , 268, 737-44	4.4	80
1536	THE ECOLOGICAL BASIS OF LIFE HISTORY VARIATION IN MARSUPIALS. <b>2001</b> , 82, 3531-3540		60
1535	Relationships between oral morphology and feeding style in the Ungulata: a phylogenetically controlled evaluation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2001</b> , 268, 1023-32	4.4	113
1534	Latitudinal gradients in colony size for social insects: termites and ants show different patterns. <b>2001</b> , 157, 97-106		25
1533	Metabolism of pelagic cephalopods as a function of habitat depth: a reanalysis using phylogenetically independent contrasts. <b>2001</b> , 201, 1-5		11
1532	Primate sleep in phylogenetic perspective. <b>2001</b> , 123-144		4
1531	Scaling of respiratory variables and the breathing pattern in birds: an allometric and phylogenetic approach. <b>2001</b> , 74, 75-89		62
1530	Correlates of extinction risk: phylogeny, biology, threat and scale. <b>2001</b> , 295-316		46
1529	Comparing interspecific and intraspecific allometry in the Anatidae. <b>2001</b> , 142, 321-334		11
1528	Latitude, elevation and body mass variation in Andean passerine birds. <b>2001</b> , 10, 245-259		51
1527	Evolutionary trade-offs in locomotor capacities in lacertid lizards: are splendid sprinters clumsy climbers?. <b>2001</b> , 14, 46-54		98
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1130	Evolution of life history traits in Leporidae: a test of nest predation and seasonality hypotheses. <b>2006</b> , 88, 603-610		12
1129	Morphological correlates of ant eating in horned lizards ( <i>Phrynosoma</i> ). <b>2006</b> , 89, 13-24		21
1128	TESTING HYPOTHESES OF CONVERGENCE WITH MULTIVARIATE DATA: MORPHOLOGICAL AND FUNCTIONAL CONVERGENCE AMONG HERBIVOROUS LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 824-841	3.8	128
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1083	Experimental evolution and phenotypic plasticity of hindlimb bones in high-activity house mice. <b>2006</b> , 267, 360-74		74
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1072	Does Life History Predict Risk-Taking Behavior of Wintering Dabbling Ducks?. <b>2006</b> , 108, 530		9
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1020	Physiological correlates of lizard foraging mode. 94-119		1
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1018	Lizard energetics and the sit-and-wait vs. wide-foraging paradigm. 120-140		6
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1014	Spider capture silk: performance implications of variation in an exceptional biomaterial. <b>2007</b> , 307, 654-66		49
1013	Correlated evolution of thermal characteristics and foraging strategy in lacertid lizards. <b>2007</b> , 32, 388-395		16
1012	Primate brain architecture and selection in relation to sex. <b>2007</b> , 5, 20		51
1011	Variation in wood density, wood water content, stem growth and mortality among twenty-seven tree species in a tropical rainforest on Borneo Island. <b>2007</b> , 32, 191-201		45
1010	Pollinator shifts drive increasingly long nectar spurs in columbine flowers. <b>2007</b> , 447, 706-9		453
1009	SPEED AND STAMINA TRADE-OFF IN LACERTID LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2007</b> , 55, 1040-1048	3.8	14
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995	Phylogenetic analysis of interspecific variation in nectar of hummingbird-visited plants. <b>2007</b> , 20, 1904-17		54
994	Punctuated genome size evolution in Liliaceae. <b>2007</b> , 20, 2296-308		74
993	Parasite species richness in carnivores: effects of host body mass, latitude, geographical range and population density. <b>2007</b> , 16, 496-509		152
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986	Evolutionary implications of bite mechanics and feeding ecology in bears. <b>2007</b> , 272, 423-443		78
985	Evolution of hydraulic traits in closely related species pairs from Mediterranean and nonMediterranean environments of North America. <i>New Phytologist</i> , <b>2007</b> , 176, 718-726	9.8	61
984	Skin-derived fibroblasts from long-lived species are resistant to some, but not all, lethal stresses and to the mitochondrial inhibitor rotenone. <b>2007</b> , 6, 1-13		115
983	Karyotypic diversity and speciation in <i>Agrodiaetus</i> butterflies. <i>Evolution; International Journal of Organic Evolution</i> , <b>2007</b> , 61, 546-59	3.8	104
982	Sperm competition and sex change: a comparative analysis across fishes. <i>Evolution; International Journal of Organic Evolution</i> , <b>2007</b> , 61, 640-52	3.8	29
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721	Climate change affects the duration of the reproductive season in birds. <b>2010</b> , 79, 777-84		60
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719	Vertical distribution, flight behaviour and evolution of wing morphology in <i>Morpho</i> butterflies. <b>2010</b> , 79, 1077-85		87
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713	Flight Distance and Eye Size in Birds. <b>2010</b> , 116, 458-465		43
712	The Burden of Motherhood: The Effect of Reproductive Load on Female Lizard Locomotor, Foraging, and Social Behavior. <b>2010</b> , 116, 1217-1225		7
711	Morphological evolution in Tropidurinae squamates: an integrated view along a continuum of ecological settings. <b>2010</b> , 23, 98-111		40
710	Loudness of birdsong is related to the body size, syntax and phonology of passerine species. <b>2010</b> , 23, 212-9		21

709	When assumptions on visual system evolution matter: nestling colouration and parental visual performance in birds. <b>2010</b> , 23, 220-5		12
708	Phylogenetically structured variance in felid bite force: the role of phylogeny in the evolution of biting performance. <b>2010</b> , 23, 463-78		33
707	Parallel amino acid replacements in the rhodopsins of the rockfishes ( <i>Sebastes</i> spp.) associated with shifts in habitat depth. <b>2010</b> , 23, 1159-69		24
706	Up, up, and away: relative importance of horizontal and vertical escape from predators for survival and senescence. <b>2010</b> , 23, 1689-98		23
705	Behavioural and biomaterial coevolution in spider orb webs. <b>2010</b> , 23, 1839-56		89
704	Sex-related variation in migration phenology in relation to sexual dimorphism: a test of competing hypotheses for the evolution of protandry. <b>2010</b> , 23, 2054-65		37
703	Historical mutation rates predict susceptibility to radiation in Chernobyl birds. <b>2010</b> , 23, 2132-42		18
702	Domestic chickens defy Rensch's rule: sexual size dimorphism in chicken breeds. <b>2010</b> , 23, 2754-9		31
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700	On the Relationship between Pollen Size and Genome Size. <b>2010</b> , 2010, 1-7		26
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698	Phylogenetic logistic regression for binary dependent variables. <i>Systematic Biology</i> , <b>2010</b> , 59, 9-26	8.4	295
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695	Evolution of sexual dimorphism in bill size and shape of hermit hummingbirds ( <i>Phaethornithinae</i> ): a role for ecological causation. <b>2010</b> , 365, 1053-63		54
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688	The fitness benefit of association with humans: elevated success of birds breeding indoors. <b>2010</b> , 21, 913-918		45
687	Phylogenetic Signal of Threatening Processes among Hylids: The Need for Clade-Level Conservation Planning. <b>2010</b> , 2, 142-162		4
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676	Phylogenetic targeting of research effort in evolutionary biology. <b>2010</b> , 176, 601-12		28
675	Effects of flight speed upon muscle activity in hummingbirds. <i>Journal of Experimental Biology</i> , <b>2010</b> , 213, 2515-23	3	28
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667	Molar crests and body mass as dietary indicators in marsupials. <b>2010</b> , 58, 56		16
666	Evolution of plant defenses in nonindigenous environments. <b>2010</b> , 55, 439-59		86
665	A comparative study of clutch size, range size, and the conservation status of island vs. mainland lacertid lizards. <b>2010</b> , 143, 2601-2608		24
664	Watching the clock: studying variation in rates of molecular evolution between species. <b>2010</b> , 25, 495-503		133
663	Bats and birds: Exceptional longevity despite high metabolic rates. <b>2010</b> , 9, 12-9		131
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658	Arthropod Foraging by a Southeastern Arizona Hummingbird Guild. <b>2010</b> , 122, 494-502		9
657	Fear screams and adaptation to avoid imminent death: effects of genetic variation and predation. <b>2010</b> , 22, 183-202		17
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653	Metabolic capacity and the evolution of biogeographic patterns in oscine and suboscine passerine birds. <b>2011</b> , 84, 185-94		31
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651	Allometry of milk intake at peak lactation. <b>2011</b> , 76, 3-11		6
650	Life-history evolution on tropidurinae lizards: influence of lineage, body size and climate. <i>PLoS ONE</i> , <b>2011</b> , 6, e20040	3.7	29
649	The comparative ecology and biogeography of parasites. <b>2011</b> , 366, 2379-90		66
648	Predicting how populations decline to extinction. <b>2011</b> , 366, 2577-86		77
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- 629 The contribution of structural-, psittacofulvin- and melanin-based colouration to sexual dichromatism in Australasian parrots. **2011**, 24, 303-13 12
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- 627 Relationships among morphology, clinging performance and habitat use in *Liolaemini* lizards. **2011**, 24, 843-55 46
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614	Countershading is related to positional behavior in primates. <b>2011</b> , 283, 227-233		23
613	Eye size, flight speed and Leuckart's Law in birds. <b>2011</b> , 283, 291-297		18
612	Sensitivity of leaf size and shape to climate: global patterns and paleoclimatic applications. <i>New Phytologist</i> , <b>2011</b> , 190, 724-39	9.8	334
611	Plant resistance to mechanical stress: evidence of an avoidance-tolerance trade-off. <i>New Phytologist</i> , <b>2011</b> , 191, 1141-1149	9.8	130
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606	Evidence for repeated acquisition and loss of complex body-form characters in an insular clade of Southeast Asian semi-fossorial skinks. <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 2641-63	3.8	38
605	Bold coloration and the evolution of aposematism in terrestrial carnivores. <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 3090-9	3.8	50
604	Evolution of extreme body size disparity in monitor lizards ( <i>Varanus</i> ). <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 2664-80	3.8	57
603	Latitudinal and climatic variation in body size and dorsal scale counts in <i>Sceloporus</i> lizards: a phylogenetic perspective. <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 3590-607	3.8	52
602	Contrasting phylogenetic signals and evolutionary rates in floral traits of Neotropical lianas. <b>2011</b> , 102, 378-390		21

601	Morphological traits as predictors of diet and microhabitat use in a diverse beetle assemblage. <b>2011</b> , 102, 301-310	44
600	Evolutionary trends on extant cat skull morphology (Carnivora: Felidae): a three-dimensional geometrical approach. <b>2011</b> , 103, 176-190	25
599	Skull morphology and functionality of extant Felidae (Mammalia: Carnivora): a phylogenetic and evolutionary perspective. <b>2011</b> , 161, 414-462	44
598	Phenotypic plasticity in upper thermal limits is weakly related to <i>Drosophila</i> species distributions. <i>Functional Ecology</i> , <b>2011</b> , 25, 661-670	5.6 58
597	Predictors of orbital convergence in primates: a test of the snake detection hypothesis of primate evolution. <b>2011</b> , 61, 233-42	15
596	Skeletal correlates of quadrupedalism and climbing in the anthropoid forelimb: implications for inferring locomotion in Miocene catarrhines. <b>2011</b> , 61, 564-74	20
595	Differential cysteine depletion in respiratory chain complexes enables the distinction of longevity from aerobicity. <b>2011</b> , 132, 171-9	24
594	Ecosystem consequences of selective feeding of an insect herbivore: palatability-decomposability relationship revisited. <b>2011</b> , 36, 768-775	13
593	Clever birds are lousy: co-variation between avian innovation and the taxonomic richness of their amblyceran lice. <b>2011</b> , 41, 1295-300	22
592	Where have all the trees gone? The declining use of phylogenies in animal behaviour journals. <b>2011</b> , 81, 667-670	14
591	How Much Variation in the Molt Duration of Passerines Can Be Explained By the Growth Rate of Tail Feathers? ¿Cuánta Variación en la Duración de la Muda de los Paseriformes Puede Explicarse a Partir de la Tasa de Crecimiento de las Plumas de la Cola?. <b>2011</b> , 128, 321-329	25
590	Phylogeny, life history, and ecology contribute to differences in amphibian susceptibility to ranaviruses. <b>2011</b> , 8, 301-19	98
589	Shake rattle and roll: the bony labyrinth and aerial descent in squamates. <b>2011</b> , 51, 957-68	26
588	Resource buffering and the evolution of bird migration. <b>2011</b> , 25, 91-106	10
587	The evolution of pharyngeal bones and teeth in Gobioninae fishes (Teleostei: Cyprinidae) analyzed with phylogenetic comparative methods. <b>2011</b> , 664, 183-197	9
586	Bioenergetic Constraints on Primate Abundance. <b>2011</b> , 32, 118-133	4
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584	Commentary: Do we have a consistent terminology for species diversity? The fallacy of true diversity. <b>2011</b> , 167, 885-8; discussion 903-11	21



583	Membrane-bound intestinal enzymes of passerine birds: dietary and phylogenetic correlates. <b>2011</b> , 181, 817-27		26
582	The allometry of parrot BMR: seasonal data for the Greater Vasa Parrot, <i>Coracopsis vasa</i> , from Madagascar. <b>2011</b> , 181, 1075-87		11
581	Fecundity Selection and the Evolution of Reproductive Output and Sex-Specific Body Size in the <i>Liolaemus</i> Lizard Adaptive Radiation. <b>2011</b> , 38, 197-207		53
580	Genome fluctuations in cyanobacteria reflect evolutionary, developmental and adaptive traits. <b>2011</b> , 11, 187		121
579	Speciation in little: the role of range and body size in the diversification of Malagasy mantellid frogs. <b>2011</b> , 11, 217		88
578	Diversification and the rate of molecular evolution: no evidence of a link in mammals. <b>2011</b> , 11, 286		31
577	Comparison of cranial form and function in association with diet in natricine snakes. <b>2011</b> , 272, 1435-43		32
576	Running in cold weather: morphology, thermal biology, and performance in the southernmost lizard clade in the world ( <i>Liolaemus lineomaculatus</i> section: <i>Liolaemini</i> : Iguania). <b>2011</b> , 315, 495-503		35
575	Folivory, frugivory, and postcanine size in the cercopithecoidea revisited. <b>2011</b> , 146, 20-7		21
574	The correspondence between proximal phalanx morphology and locomotion: implications for inferring the locomotor behavior of fossil catarrhines. <b>2011</b> , 146, 435-45		16
573	Physiological, behavioral and biochemical adaptations of intertidal fishes to hypoxia. <i>Journal of Experimental Biology</i> , <b>2011</b> , 214, 191-9	3	186
572	When climate change affects where birds sing. <b>2011</b> , 22, 212-217		19
571	Integration of vessel traits, wood density, and height in angiosperm shrubs and trees. <i>American Journal of Botany</i> , <b>2011</b> , 98, 915-22	2.7	42
570	A preliminary analysis of correlations between chewing motor patterns and mandibular morphology across mammals. <b>2011</b> , 51, 260-70		12
569	Xylem function and climate adaptation in <i>Pinus</i> . <i>American Journal of Botany</i> , <b>2011</b> , 98, 1437-45	2.7	16
568	Maximum shell size, growth rate, and maturation age correlate with longevity in bivalve molluscs. <b>2011</b> , 66, 183-90		49
567	Sexual signals, risk of predation and escape behavior. <b>2011</b> , 22, 800-807		24
566	Relative size of auditory pathways in symmetrically and asymmetrically eared owls. <b>2011</b> , 78, 286-301		21

565	Correlations of life-history and distributional-range variation with salamander diversification rates: evidence for species selection. <i>Systematic Biology</i> , <b>2011</b> , 60, 503-18	8.4	10
564	Fibroblasts from long-lived bird species are resistant to multiple forms of stress. <i>Journal of Experimental Biology</i> , <b>2011</b> , 214, 1902-10	3	62
563	Evolution of limb bone loading and body size in varanid lizards. <i>Journal of Experimental Biology</i> , <b>2011</b> , 214, 3013-20	3	21
562	Ecology of hemiepiphytism in fig species is based on evolutionary correlation of hydraulics and carbon economy. <b>2011</b> , 92, 2117-30		38
561	Fast and slow life histories of carnivores. <b>2011</b> , 89, 692-704		12
560	Performance, accuracy, and Web server for evolutionary placement of short sequence reads under maximum likelihood. <i>Systematic Biology</i> , <b>2011</b> , 60, 291-302	8.4	335
559	Phylogenomic analysis of the uracil-DNA glycosylase superfamily. <i>Molecular Biology and Evolution</i> , <b>2011</b> , 28, 1307-17	8.3	24
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557	Pancreatic and intestinal carbohydrases are matched to dietary starch level in wild passerine birds. <b>2011</b> , 84, 195-203		24
556	Anterior dentary shape as an indicator of diet in ruminant artiodactyls. <b>2011</b> , 31, 1366-1375		19
555	Parallel adaptive divergence among geographically diverse human populations. <b>2011</b> , 7, e1002127		42
554	Incorporating 16S gene copy number information improves estimates of microbial diversity and abundance. <b>2012</b> , 8, e1002743		303
553	New insights from serranid fishes on the role of trade-offs in suction-feeding diversification. <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 3845-55	3	40
552	Niche evolution across spatial scales: climate and habitat specialization in California <i>Lasthenia</i> (Asteraceae). <b>2012</b> , 93, S151-S166		32
551	Escape behaviour of birds provides evidence of predation being involved in urbanization. <b>2012</b> , 84, 341-348		73
550	The influence of host ecology and biogeography on the helminth species richness of freshwater fishes in Mexico. <b>2012</b> , 139, 1652-65		10
549	Fast molecular evolution associated with high active metabolic rates in poison frogs. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 2001-18	8.3	34
548	Fungal pathogen species richness: why do some plant species have more pathogens than others?. <b>2012</b> , 179, 282-92		22

547	A global analysis of trait variation and evolution in climbing plants. <b>2012</b> , 39, 1757-1771		47
546	Predicting invasiveness and range size in wetland plants using biological traits: a multivariate experimental approach. <b>2012</b> , 100, 1373-1382		10
545	Phylogenetic signal and variation of visceral pigmentation in eight anuran families. <b>2012</b> , 41, 547-556		6
544	Independent contrasts and PGLS regression estimators are equivalent. <i>Systematic Biology</i> , <b>2012</b> , 61, 382-391		70
543	Testing the oxidative stress hypothesis of aging in primate fibroblasts: is there a correlation between species longevity and cellular ROS production?. <b>2012</b> , 67, 841-52		46
542	A phylogenetic approach to total evaporative water loss in mammals. <b>2012</b> , 85, 526-32		25
541	Activities of DNA base excision repair enzymes in liver and brain correlate with body mass, but not lifespan. <b>2012</b> , 34, 1195-209		14
540	Feeding biomechanics and theoretical calculations of bite force in bull sharks ( <i>Carcharhinus leucas</i> ) during ontogeny. <b>2012</b> , 115, 354-64		31
539	Male superiority in spatial navigation: adaptation or side effect?. <b>2012</b> , 87, 289-313		36
538	Egg Size, Life History, and Tropical Marine Gastropod Biogeography*. <b>2012</b> , 30, 163-174		7
537	Assessment of phylogenetic structure in genome size--gene content correlations. <b>2012</b> , 55, 391-5		
536	Stem hydraulic traits and leaf water-stress tolerance are co-ordinated with the leaf phenology of angiosperm trees in an Asian tropical dry karst forest. <i>Annals of Botany</i> , <b>2012</b> , 110, 189-99	4.1	95
535	The influence of fire on phylogenetic and functional structure of woody savannas: Moving from species to individuals. <b>2012</b> , 14, 205-216		49
534	Diversity and Evolution of Body Size in Fishes. <b>2012</b> , 39, 324-340		21
533	Diversification rates and the latitudinal gradient of diversity in mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 4148-55	4.4	47
532	Evolution of form and function: morphophysiological relationships and locomotor performance in tropidurine lizards. <b>2012</b> , 288, 41-49		14
531	Evolutionary Inferences from Phylogenies: A Review of Methods. <b>2012</b> , 43, 267-285		152
530	How Our Ancestors Broke through the Gray Ceiling. <b>2012</b> , 53, S453-S465		114

529	Neuroecology of cartilaginous fishes: the functional implications of brain scaling. <b>2012</b> , 80, 1968-2023		53
528	The effect of climate on acoustic signals: does atmospheric sound absorption matter for bird song and bat echolocation?. <b>2012</b> , 131, 1650-8		49
527	Shape and evolution of the fundamental niche in marine <i>Vibrio</i> . <b>2012</b> , 6, 2168-77		21
526	Allometric scaling of the optic tectum in cartilaginous fishes. <b>2012</b> , 80, 108-26		23
525	Effects of different substrates on the sprint performance of lizards. <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 774-84	3	50
524	Phylogenetic analyses: comparing species to infer adaptations and physiological mechanisms. <b>2012</b> , 2, 639-74		81
523	Why Are Trade-Offs between Flower Size and Number Infrequently Detected? A Test of Three Hypotheses. <b>2012</b> , 173, 26-35		5
522	The Evolution of Positive Allometry of Weaponry in Horned Lizards ( <i>Phrynosoma</i> ). <b>2012</b> , 39, 311-323		21
521	Covariation in plant functional traits and soil fertility within two species-rich forests. <i>PLoS ONE</i> , <b>2012</b> , 7, e34767	3.7	34
520	Functional implications of species differences in the size and morphology of the isthmo optic nucleus (ION) in birds. <i>PLoS ONE</i> , <b>2012</b> , 7, e37816	3.7	9
519	Testing the fitness consequences of the thermoregulatory and parental care models for the origin of endothermy. <i>PLoS ONE</i> , <b>2012</b> , 7, e37069	3.7	13
518	Evolution of body elongation in gymnophthalmid lizards: relationships with climate. <i>PLoS ONE</i> , <b>2012</b> , 7, e49772	3.7	19
517	Understanding the evolution of Mammalian brain structures; the need for a (new) cerebrotypic approach. <b>2012</b> , 2, 203-24		19
516	Nest predation risk and growth strategies of passerine species: grow fast or develop traits to escape risk?. <b>2012</b> , 180, 285-95		62
515	Body mass, phylogeny and diet composition affects kidney morphology in passerine birds. <b>2012</b> , 273, 842-9		6
514	Finding the neck-trunk boundary in snakes: anteroposterior dissociation of myological characteristics in snakes and its implications for their neck and trunk body regionalization. <b>2012</b> , 273, 992-1009		9
513	Postnatal long bone growth in terrestrial placental mammals: allometry, life history, and organismal traits. <b>2012</b> , 273, 1111-26		13
512	Scaling and adaptations of incisors and cheek teeth in caviomorph rodents (Rodentia, Hystricognathi). <b>2012</b> , 273, 1150-62		29

511	A universal scaling relationship between body mass and proximal limb bone dimensions in quadrupedal terrestrial tetrapods. <b>2012</b> , 10, 60		211
510	Neuronal populations in the basolateral nuclei of the amygdala are differentially increased in humans compared with apes: a stereological study. <b>2012</b> , 520, 3035-54		40
509	Associated evolution of bipedality and cursoriality among Triassic archosaurs: a phylogenetically controlled evaluation. <b>2012</b> , 38, 474-485		29
508	Variation in seed germination of 86 subalpine forest species from the eastern Tibetan Plateau: phylogeny and life-history correlates. <b>2012</b> , 27, 453-465		14
507	Evolutionary co-variation of host and parasite diversity-the first test of Eichler's rule using parasitic lice (Insecta: Phthiraptera). <b>2012</b> , 111, 393-401		12
506	Air-filled postcranial bones in theropod dinosaurs: physiological implications and the 'reptile'-bird transition. <b>2012</b> , 87, 168-93		90
505	On the reliability of visual communication in vertebrate-dispersed fruits. <b>2012</b> , 100, 277-286		33
504	Can amphibians take the heat? Vulnerability to climate warming in subtropical and temperate larval amphibian communities. <b>2012</b> , 18, 412-421		146
503	Sexual selection and the evolution of genital shape and complexity in water striders. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 40-54	3.8	72
502	Gravity and the evolution of cardiopulmonary morphology in snakes. <b>2012</b> , 161, 230-42		38
501	Respiratory evaporative water loss during hovering and forward flight in hummingbirds. <b>2012</b> , 161, 279-85		3
500	Birdsong, sexual selection, and the flawed taxonomy of canaries, goldfinches and allies. <b>2012</b> , 84, 111-119		26
499	Sociality level correlates with dispersal ability in spiders. <i>Functional Ecology</i> , <b>2012</b> , 26, 794-803	5.6	22
498	Hydraulic conductivity traits predict growth rates and adult stature of 40 Asian tropical tree species better than wood density. <b>2012</b> , 100, 732-741		99
497	Vertebral evolution and the diversification of squamate reptiles. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 1044-58	3.8	36
496	Body mass and foraging ecology predict evolutionary patterns of skeletal pneumaticity in the diverse "waterbird" clade. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 1059-78	3.8	26
495	An evaluation of the possible adaptive function of fungal brood covering by Attine ants. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 1966-75	3.8	14
494	Genome size is not correlated with effective population size in the <i>Oryza</i> species. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 3302-10	3.8	16

493	The slowest fish: Swim speed and tail-beat frequency of Greenland sharks. <b>2012</b> , 426-427, 5-11		62
492	Parallel phenotypic evolution in a wolf spider radiation on Galápagos. <b>2012</b> , 106, 123-136		8
491	Evolution of an ornament, the dewlap, in females of the lizard genus <i>Anolis</i> . <b>2012</b> , 106, 191-201		21
490	Can phylogenetic signal, character displacement, or random phenotypic drift explain the morphological variation in the genus <i>Geonoma</i> (Arecaceae)?. <b>2012</b> , 106, 528-539		21
489	Comparative analysis of encephalization in mammals reveals relaxed constraints on anthropoid primate and cetacean brain scaling. <b>2012</b> , 25, 981-94		114
488	Is phylogeny driving tendon length in lizards?. <b>2012</b> , 93, 319-329		11
487	MOTMOT: models of trait macroevolution on trees. <b>2012</b> , 3, 145-151		118
486	Pollen grain size variation in Caryophylloideae: a mixed strategy for pollen deposition along styles with long stigmatic areas?. <b>2012</b> , 298, 9-24		11
485	How does cognition evolve? Phylogenetic comparative psychology. <b>2012</b> , 15, 223-38		165
484	Osteological correlates and phylogenetic analysis of deep diving in living and extinct pinnipeds: What good are big eyes?. <b>2013</b> , 29, 48-83		28
483	Potential pitfalls of reconstructing deep time evolutionary history with only extant data, a case study using the canidae (mammalia, carnivora). <i>Evolution; International Journal of Organic Evolution</i> , <b>2013</b> , 67, 3678-85	3.8	30
482	A revised metric for quantifying body shape in vertebrates. <b>2013</b> , 116, 246-57		21
481	Habitat variation and wing coloration affect wing shape evolution in dragonflies. <b>2013</b> , 26, 1866-74		22
480	Occlusal enamel complexity and its implications for lophodonty, hypsodonty, body mass, and diet in extinct and extant ungulates. <b>2013</b> , 387, 211-216		25
479	Lizard tricks: overcoming conflicting requirements of speed versus climbing ability by altering biomechanics of the lizard stride. <i>Journal of Experimental Biology</i> , <b>2013</b> , 216, 3854-62	3	22
478	From ground to above canopy Bat activity in mature forests is driven by vegetation density and height. <b>2013</b> , 306, 179-184		63
477	The simple ears of noctuid moths are tuned to the calls of their sympatric bat community. <i>Journal of Experimental Biology</i> , <b>2013</b> , 216, 3954-62	3	26
476	Nectar sugar composition of European Caryophylloideae (Caryophyllaceae) in relation to flower length, pollination biology and phylogeny. <b>2013</b> , 26, 2244-59		23

475	Flight loss linked to faster molecular evolution in insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 280, 20131128	4.4	47
474	Wood anatomical correlates with theoretical conductivity and wood density across China: evolutionary evidence of the functional differentiation of axial and radial parenchyma. <i>Annals of Botany</i> , <b>2013</b> , 112, 927-35	4.1	50
473	Jack-of-all-trades master of all? Snake vertebrae have a generalist inner organization. <b>2013</b> , 100, 997-1006		13
472	Evolutionary covariation in geometric morphometric data: analyzing integration, modularity, and allometry in a phylogenetic context. <i>Systematic Biology</i> , <b>2013</b> , 62, 591-610	8.4	245
471	Indices of Anseriform body shape based on the relative size of major skeletal elements and their relationship to reproductive effort. <b>2013</b> , 155, 835-846		3
470	An adaptive radiation of frogs in a southeast Asian island archipelago. <i>Evolution; International Journal of Organic Evolution</i> , <b>2013</b> , 67, 2631-46	3.8	58
469	Composition, richness and nonrandom assembly of culturable bacterial-microfungal communities in floral nectar of Mediterranean plants. <b>2013</b> , 83, 685-99		69
468	Deflective and intimidating eyespots: a comparative study of eyespot size and position in Junonia butterflies. <i>Ecology and Evolution</i> , <b>2013</b> , 3, 4518-24	2.8	16
467	Tail autotomy, tail size, and locomotor performance in lizards. <b>2013</b> , 86, 669-79		33
466	Mandible allometry in extant and fossil Balaenopteridae (Cetacea: Mammalia): the largest vertebrate skeletal element and its role in rorqual lunge feeding. <b>2013</b> , 108, 586-599		31
465	Multiple regression modeling for estimating endocranial volume in extinct Mammalia. <b>2013</b> , 39, 149-162		4
464	Diversity-dependent cladogenesis and trait evolution in the adaptive radiation of the auks (aves: alcidae). <i>Evolution; International Journal of Organic Evolution</i> , <b>2013</b> , 67, 403-16	3.8	40
463	Disentangling evolutionary cause-effect relationships with phylogenetic confirmatory path analysis. <i>Evolution; International Journal of Organic Evolution</i> , <b>2013</b> , 67, 378-87	3.8	107
462	Chasing the Patagonian sun: comparative thermal biology of Liolaemus lizards. <b>2013</b> , 171, 773-88		42
461	Using phylogenetic information and the comparative method to evaluate hypotheses in macroecology. <b>2013</b> , 4, 401-415		46
460	Hemoglobin concentrations in waders vary with their strategies of migration: a comparative analysis. <b>2013</b> , 165, 7-12		12
459	Meta-analysis of geographical clines in desiccation tolerance of Indian drosophilids. <b>2013</b> , 164, 391-8		21
458	Patterns of sexual size dimorphism in Chelonia. <b>2013</b> , 108, 396-413		14

457	Variation in the strength of association among pollination systems and floral traits: evolutionary changes in the floral traits of Bornean gingers (Zingiberaceae). <i>American Journal of Botany</i> , <b>2013</b> , 100, 546-55	2.7	17
456	Effects of ornamentation and phylogeny on the evolution of wing shape in stalk-eyed flies (Diopsidae). <b>2013</b> , 26, 1281-93		7
455	Current near-to-nature forest management effects on functional trait composition of saproxylic beetles in beech forests. <b>2013</b> , 27, 605-14		145
454	Strong radial variation in wood density follows a uniform pattern in two neotropical rain forests. <i>Functional Ecology</i> , <b>2013</b> , 27, 684-692	5.6	39
453	Avian brood parasitism and ectoparasite richness-scale-dependent diversity interactions in a three-level host-parasite system. <i>Evolution; International Journal of Organic Evolution</i> , <b>2013</b> , 67, 959-68	3.8	3
452	A comparison of current and reconstructed historic geographic range sizes as predictors of extinction risk in Australian mammals. <b>2013</b> , 158, 196-204		15
451	Body size variation across climatic gradients and sexual size dimorphism in Tropicurinae lizards. <b>2013</b> , 290, 192-198		14
450	Microdiversity of extracellular enzyme genes among sequenced prokaryotic genomes. <b>2013</b> , 7, 1187-99		135
449	Phylogenetic trait-based analyses of ecological networks. <b>2013</b> , 94, 2321-33		61
448	The Evolution of Diet and Microhabitat use in Pseudoboine Snakes. <b>2013</b> , 8, 60-66		10
447	Comparative study of visual pathways in owls (Aves: Strigiformes). <b>2013</b> , 81, 27-39		17
446	An integrative view of phylogenetic comparative methods: connections to population genetics, community ecology, and paleobiology. <b>2013</b> , 1289, 90-105		154
445	Colony size explains the lifespan differences between queens and workers in eusocial Hymenoptera. <b>2013</b> , 109, 710-724		39
444	Functional traits of grasses growing in open and shaded habitats. <b>2013</b> , 27, 393-407		8
443	Taller plants have lower rates of molecular evolution. <b>2013</b> , 4, 1879		134
442	Interactions between hawkmoths and flowering plants in East Africa: polyphagy and evolutionary specialization in an ecological context. <b>2013</b> , 110, 199-213		44
441	Calling behaviour under climate change: geographical and seasonal variation of calling temperatures in ectotherms. <b>2013</b> , 19, 2655-74		45
440	Sexual size dimorphism and allometry in <i>Liolaemus</i> of the <i>L. laurenti</i> group (Sauria: Liolaemidae): Morphologic lability in a clade of lizards with different reproductive modes. <b>2013</b> , 252, 299-306		15



439	Rock-dwelling lizards exhibit less sensitivity of sprint speed to increases in substrate rugosity. <b>2013</b> , 116, 151-8		24
438	Allometry of thermal variables in mammals: consequences of body size and phylogeny. <b>2013</b> , 88, 564-72		49
437	Integrating phylogenetics, phylogeography and population genetics through genomes and evolutionary theory. <b>2013</b> , 69, 1172-85		45
436	Effect of phosphorus availability on the selection of species with different ploidy levels and genome sizes in a long-term grassland fertilization experiment. <i>New Phytologist</i> , <b>2013</b> , 200, 911-921	9.8	62
435	Brain size and morphology of the brood-parasitic and cerophagous honeyguides (Aves: Piciformes). <b>2013</b> , 81, 170-86		8
434	Thermal sensitivity of immune function: evidence against a generalist-specialist trade-off among endothermic and ectothermic vertebrates. <b>2013</b> , 181, 761-74		43
433	Different modes of evolution in males and females generate dichromatism in fairy-wrens (Maluridae). <i>Ecology and Evolution</i> , <b>2013</b> , 3, 3030-46	2.8	32
432	Interspecific differences in hypoxia-induced gill remodeling in carp. <b>2013</b> , 86, 727-39		52
431	Sugar preferences of avian nectarivores are correlated with intestinal sucrase activity. <b>2013</b> , 86, 499-514		15
430	Telling tails: selective pressures acting on investment in lizard tails. <b>2013</b> , 86, 645-58		19
429	The diversity of microparasites of rodents: a comparative analysis that helps in identifying rodent-borne rich habitats in Southeast Asia. <b>2013</b> , 3,		28
428	Which specimens from a museum collection will yield DNA barcodes? A time series study of spiders in alcohol. <b>2013</b> , 245-61		26
427	Diversity, disparity, and evolutionary rate estimation for unresolved Yule trees. <i>Systematic Biology</i> , <b>2013</b> , 62, 439-55	8.4	13
426	A comparative study of single-leg ground reaction forces in running lizards. <i>Journal of Experimental Biology</i> , <b>2014</b> , 217, 735-42	3	12
425	Nutrient reserves may allow for genome size increase: evidence from comparison of geophytes and their sister non-geophytic relatives. <i>Annals of Botany</i> , <b>2013</b> , 112, 1193-200	4.1	21
424	Something gone awry: unsolved mysteries in the evolution of asymmetric animal genitalia. <b>2013</b> , 63, 1-20		23
423	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. <i>New Phytologist</i> , <b>2013</b> , 198, 252-263	9.8	94
422	Three modes of heterochrony explain lobule diversity in <i>Radula</i> subgenus <i>Cladoradula</i> (Porellales: Jungermanniopsida), a small lineage of early land plants today. <b>2013</b> , 173, 153-175		8

421	Great ape skeletal collections: making the most of scarce and irreplaceable resources in the digital age. <b>2013</b> , 152 Suppl 57, 2-32		19
420	Evolution of limited seed dispersal ability on gypsum islands. <i>American Journal of Botany</i> , <b>2013</b> , 100, 1811-22	2.7	18
419	Floral advertisement scent in a changing plant-pollinators market. <i>Scientific Reports</i> , <b>2013</b> , 3, 3434	4.9	46
418	A comparative study of ribosomal proteins: linkage between amino acid distribution and ribosomal assembly. <b>2013</b> , 6, 13		16
417	Benefits of fidelity: does host specialization impact nematode parasite life history and fecundity?. <b>2013</b> , 140, 587-97		7
416	A comparison of the recruitment success of introduced and native species under natural conditions. <i>PLoS ONE</i> , <b>2013</b> , 8, e72509	3.7	11
415	Choose your weapon: defensive behavior is associated with morphology and performance in scorpions. <i>PLoS ONE</i> , <b>2013</b> , 8, e78955	3.7	29
414	Thermodynamics constrains allometric scaling of optimal development time in insects. <i>PLoS ONE</i> , <b>2013</b> , 8, e84308	3.7	17
413	Limited influence of oxygen on the evolution of chemical diversity in metabolic networks. <b>2013</b> , 3, 979-92		7
412	Evolutionary ecology of the pitheciinae: evidence for energetic equivalence or phylogenetically structured environmental variation?. 106-113		
411	Evolution and maintenance of sexual size dimorphism: aligning phylogenetic and experimental evidence. <b>2014</b> , 2,		28
410	Morphological traits: predictable responses to macrohabitats across a 300 km scale. <i>PeerJ</i> , <b>2014</b> , 2, e2713.1		39
409	Parallel ionoregulatory adjustments underlie phenotypic plasticity and evolution of <i>Drosophila</i> cold tolerance. <i>Journal of Experimental Biology</i> , <b>2015</b> , 218, 423-32	3	51
408	Evolutionary implications of the climbing habit in plants. <b>2014</b> , 239-250		12
407	Colony size is linked to paternity frequency and paternity skew in yellowjacket wasps and hornets. <b>2014</b> , 14, 277		17
406	The evolution of copulation frequency and the mechanisms of reproduction in male <i>Anolis</i> lizards. <b>2014</b> , 60, 768-777		3
405	Predator-prey interactions, flight initiation distance and brain size. <b>2014</b> , 27, 34-42		47
404	Metabolism and the rise of fungus cultivation by ants. <b>2014</b> , 184, 364-73		22

403	Leaf form and photosynthetic physiology of <i>Dryopteris</i> species distributed along light gradients in eastern North America. <i>Functional Ecology</i> , <b>2014</b> , 28, 108-123	5.6	21
402	The effect of unmeasured confounders on the ability to estimate a true performance or selection gradient (and other partial regression coefficients). <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 2128-36	3.8	14
401	Wood nitrogen concentrations in tropical trees: phylogenetic patterns and ecological correlates. <i>New Phytologist</i> , <b>2014</b> , 204, 484-495	9.8	28
400	Inferring ancestral states without assuming neutrality or gradualism using a stable model of continuous character evolution. <b>2014</b> , 14, 226		47
399	Many-to-Many Mapping of Phenotype to Performance: An Extension of the F-Matrix for Studying Functional Complexity. <b>2014</b> , 41, 546-560		13
398	A broad survey of hydraulic and mechanical safety in the xylem of conifers. <b>2014</b> , 65, 4419-31		105
397	Do invasive freshwater fish species grow better when they are invasive?. <b>2014</b> , 123, 279-289		28
396	Molecular phylogeny of Harpactorini (Insecta: Reduviidae): correlation of novel predation strategy with accelerated evolution of predatory leg morphology. <b>2014</b> , 30, 339-351		14
395	Nonrandom variation of morphological traits across environmental gradients in a land snail. <b>2014</b> , 28, 323-340		13
394	The Use (and Misuse) of Phylogenetic Trees in Comparative Behavioral Analyses. <b>2014</b> , 35, 32-54		6
393	Variation in steroid hormone levels among Caribbean Anolis lizards: endocrine system convergence?. <b>2014</b> , 65, 408-15		14
392	Investment in higher order central processing regions is not constrained by brain size in social insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20140217	4.4	17
391	Assessing the effect of time-scaling methods on phylogeny-based analyses in the fossil record. <b>2014</b> , 40, 331-351		54
390	Correlated loss of ecosystem services in coupled mutualistic networks. <b>2014</b> , 5, 3810		36
389	Leaf life span and the leaf economic spectrum in the context of whole plant architecture. <b>2014</b> , 102, 328-336		68
388	Direction of approach by predators and flight initiation distance of urban and rural populations of birds. <b>2014</b> , 25, 960-966		32
387	Evolution of parental roles in provisioning birds: diet determines role asymmetry in raptors. <b>2014</b> , 25, 762-772		19
386	Abiotic noise, call frequency and stream-breeding anuran assemblages. <b>2014</b> , 28, 341-359		19

385	Evolutionary stasis and lability in thermal physiology in a group of tropical lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20132433	4.4	115
384	Reproductive mode evolution in lizards revisited: updated analyses examining geographic, climatic and phylogenetic effects support the cold-climate hypothesis. <b>2014</b> , 27, 2767-80		17
383	Size-dependent selective mechanisms on males and females and the evolution of sexual size dimorphism in frogs. <b>2014</b> , 184, 727-40		41
382	Comparisons between experimental and morphometric water vapor conductance in the eggs of extant birds and crocodiles: implications for predicting nest type in dinosaurs. <b>2014</b> , 92, 1049-1058		3
381	Functional traits of tree species with phylogenetic signal co-vary with environmental niches in two large forest dynamics plots. <b>2014</b> , 7, 115-125		27
380	Correction to Phylogenetic evidence for a shift in the mode of mammalian body size evolution at the Cretaceous-Palaeogene boundary and a note on fitting macroevolutionary models to comparative paleontological data sets. <b>2014</b> , 5, 714-718		15
379	Does gliding while gravid explain Rensch's rule in flying lizards?. <b>2014</b> , 113, 270-282		5
378	Parasite and viral species richness of Southeast Asian bats: Fragmentation of area distribution matters. <b>2014</b> , 3, 161-70		41
377	A Primer on Phylogenetic Generalised Least Squares. <b>2014</b> , 105-130		179
376	An Introduction to Phylogenetic Path Analysis. <b>2014</b> , 201-229		49
375	Phylogenetic Regression for Binary Dependent Variables. <b>2014</b> , 231-261		55
374	Preparing Paleontological Datasets for Phylogenetic Comparative Methods. <b>2014</b> , 515-544		14
373	Relative brain size in Australian birds. <b>2014</b> ,		5
372	The energetics of a Malagasy rodent, <i>Macrotarsomys ingens</i> (Nesomyiinae): a test of island and zoogeographical effects on metabolism. <b>2014</b> , 184, 1077-89		3
371	Complex body size trends in the evolution of sloths ( <i>Xenarthra: Pilosa</i> ). <b>2014</b> , 14, 184		22
370	Alpine climate alters the relationships between leaf and root morphological traits but not chemical traits. <b>2014</b> , 175, 445-55		52
369	A method for assessing phylogenetic least squares models for shape and other high-dimensional multivariate data. <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 2675-88	3.8	149
368	Evolution of sperm morphology in anurans: insights into the roles of mating system and spawning location. <b>2014</b> , 14, 104		25

367	A molecular signaling approach to linking intraspecific variation and macro-evolutionary patterns. <b>2014</b> , 54, 805-21		4
366	A comparative analysis of photosynthetic recovery from thermal stress: a desert plant case study. <b>2014</b> , 175, 1051-61		27
365	Relative investment in egg load and poison sac in fig wasps: Implications for physiological mechanisms underlying seed and wasp production in figs. <b>2014</b> , 57, 58-66		15
364	A screening study of leaf terpene emissions of 43 rainforest species in Danum Valley Conservation Area (Borneo) and their relationships with chemical and morphological leaf traits. <b>2014</b> , 148, 307-317		9
363	Elaborate visual and acoustic signals evolve independently in a large, phenotypically diverse radiation of songbirds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20140967	4.4	49
362	Morphological adaptations to arboreal habitats and heart position in species of the neotropical whipsnakes genus <i>Chironius</i> . <b>2014</b> , 95, 341-346		3
361	Evolution of bill size in relation to body size in toucans and hornbills (Aves: Piciformes and Bucerotiformes). <b>2014</b> , 31, 256-263		7
360	Exceptional avian herbivores: multiple transitions toward herbivory in the bird order Anseriformes and its correlation with body mass. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 5016-32	2.8	26
359	Trade-offs between physical and chemical carbon-based leaf defence: of intraspecific variation and trait evolution. <b>2015</b> , 103, 1667-1679		42
358	The proportion of genes in a functional category is linked to mass-specific metabolic rate and lifespan. <i>Scientific Reports</i> , <b>2015</b> , 5, 10008	4.9	5
357	Genetic variation in birds in relation to predation risk by hawks: A comparative analysis. <b>2015</b> , 61, 1-9		5
356	A new method for resolving uncertainty of energy requirements in large water breathers: the Mega-flume-seagoing swim-tunnel respirometer. <b>2015</b> , 6, 668-677		29
355	Full Issue. <b>2015</b> , 132, i-i		
354	Investigating evolutionary lag using the species-pairs evolutionary lag test (SPELT). <i>Evolution; International Journal of Organic Evolution</i> , <b>2015</b> , 69, 245-53	3.8	5
353	Evolutionary allometry of the thoracolumbar centra in felids and bovids. <b>2015</b> , 276, 818-31		19
352	Evolution of anuran brains: disentangling ecological and phylogenetic sources of variation. <b>2015</b> , 28, 1986-96		32
351	. <b>2015</b> ,		42
350	Parasite diversity of disease-bearing rodents of Southeast Asia: habitat determinants and effects on sexual size dimorphism and life-traits. <b>2015</b> , 3,		9

349	Diversity in olfactory bulb size in birds reflects allometry, ecology, and phylogeny. <b>2015</b> , 9, 102		50
348	Phylogenetic signals in ecological properties of parasites. 351-359		1
347	Are cranial biomechanical simulation data linked to known diets in extant taxa? A method for applying diet-biomechanics linkage models to infer feeding capability of extinct species. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124020	3.7	24
346	Eggshell Porosity Provides Insight on Evolution of Nesting in Dinosaurs. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142829	3.7	39
345	Body Size Adaptations to Altitudinal Climatic Variation in Neotropical Grasshoppers of the Genus <i>Sphenarium</i> (Orthoptera: Pyrgomorphidae). <i>PLoS ONE</i> , <b>2015</b> , 10, e0145248	3.7	8
344	Vertebral number is highly evolvable in salamanders and newts (family Salamandridae) and variably associated with climatic parameters. <b>2015</b> , 84, 85-113		32
343	Leaf economics of evergreen and deciduous tree species along an elevational gradient in a subtropical mountain. <b>2015</b> , 7,		23
342	Evolution of supraorbital ossification in Charadriiformes. <b>2015</b> , 132, 685-696		1
341	Model Adequacy and the Macroevolution of Angiosperm Functional Traits. <b>2015</b> , 186, E33-50		109
340	The relationship of recombination rate, genome structure, and patterns of molecular evolution across angiosperms. <b>2015</b> , 15, 194		43
339	The Nest-Concealment Hypothesis: New Insights from a Comparative Analysis. <b>2015</b> , 127, 646-660		23
338	Tropical trees in a wind-exposed island ecosystem: height-diameter allometry and size at onset of maturity. <b>2015</b> , 103, 594-605		38
337	Flash signal evolution in <i>Photinus</i> fireflies: character displacement and signal exploitation in a visual communication system. <i>Evolution; International Journal of Organic Evolution</i> , <b>2015</b> , 69, 666-82	3.8	43
336	Setting the pace of life: membrane composition of flight muscle varies with metabolic rate of hovering orchid bees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282,	4.4	12
335	The conquest of fresh water by the palaemonid shrimps: an evolutionary history scripted in the osmoregulatory epithelia of the gills and antennal glands. <b>2015</b> , 114, 673-688		25
334	The effect of habitat and body size on the evolution of vocal displays in Thraupidae (tanagers), the largest family of songbirds. <b>2015</b> , 114, 538-551		35
333	Moving beyond the guild concept: developing a practical functional trait framework for terrestrial beetles. <b>2015</b> , 40, 1-13		51
332	Permutation tests for phylogenetic comparative analyses of high-dimensional shape data: what you shuffle matters. <i>Evolution; International Journal of Organic Evolution</i> , <b>2015</b> , 69, 823-9	3.8	59

331	Biotic and abiotic predictors of fungal colonization in grasses of the Colorado Rockies. <b>2015</b> , 21, 962-976		37
330	Membranes as a possible pacemaker of metabolism in cypriniform fish: does phylogeny matter?. <i>Journal of Experimental Biology</i> , <b>2015</b> , 218, 2563-72	3	7
329	Strong phylogenetic signals and phylogenetic niche conservatism in ecophysiological traits across divergent lineages of Magnoliaceae. <i>Scientific Reports</i> , <b>2015</b> , 5, 12246	4.9	37
328	Comparative intestinal esterases amongst passerine species: Assessing vulnerability to toxic chemicals in a phylogenetically explicit context. <b>2015</b> , 135, 75-82		7
327	Strong support for Rensch's rule in an American clade of lizards (Teiidae and Gymnophthalmidae) and a paradox of the largest tejus. <b>2015</b> , 102, 23		2
326	Wing shape and migration in shorebirds: a comparative study. <b>2015</b> , 157, 528-535		26
325	Evolutionary allometry of lumbar shape in Felidae and Bovidae. <b>2015</b> , 116, 721-740		16
324	Evolution of anthozoan polyp retraction mechanisms: convergent functional morphology and evolutionary allometry of the marginal musculature in order Zoanthidea (Cnidaria: Anthozoa: Hexacorallia). <b>2015</b> , 15, 123		27
323	Physiological tradeoffs may underlie the evolution of hypoxia tolerance and exercise performance in sunfish (Centrarchidae). <i>Journal of Experimental Biology</i> , <b>2015</b> , 218, 3264-75	3	31
322	Life-history evolution at the molecular level: adaptive amino acid composition of avian vitellogenins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20151105	4.4	5
321	Defensive mixology: combining acquired chemicals towards defence. <i>Functional Ecology</i> , <b>2015</b> , 29, 441-450	5.0	24
320	How much of seed dormancy in weeds can be related to seed traits?. <b>2015</b> , 55, 14-25		28
319	Historical Biogeography Using Species Geographical Ranges. <i>Systematic Biology</i> , <b>2015</b> , 64, 1059-73	8.4	33
318	Modularity of the anthropoid dentition: Implications for the evolution of the hominin canine honing complex. <b>2015</b> , 86, 1-12		16
317	An assembly and alignment-free method of phylogeny reconstruction from next-generation sequencing data. <b>2015</b> , 16, 522		87
316	Avian thermoregulation in the heat: resting metabolism, evaporative cooling and heat tolerance in Sonoran Desert doves and quail. <i>Journal of Experimental Biology</i> , <b>2015</b> , 218, 3636-46	3	49
315	Ecological Divergence, Adaptive Diversification, and the Evolution of Social Signaling Traits: An Empirical Study in Arid Australian Lizards. <b>2015</b> , 186, E144-61		14
314	Phylogenetic and biogeographical patterns in defensive strategies and quantitative allocation to chemical defences in Palaeartic and Nearctic pine trees. <b>2015</b> , 42, 684-693		20

313	Linkage and trade-off in trophic morphology and behavioural performance of birds. <i>Functional Ecology</i> , <b>2015</b> , 29, 808-815	5.6	10
312	In contrast to many other mammals, cetaceans have relatively small hippocampi that appear to lack adult neurogenesis. <b>2015</b> , 220, 361-83		104
311	Plant dispersal systems in Neotropical forests: availability of dispersal agents or availability of resources for constructing zoochorous fruits?. <b>2015</b> , 24, 203-214		25
310	Basal metabolism in tropical birds: latitude, altitude, and the pace of life. <i>Functional Ecology</i> , <b>2015</b> , 29, 338-346	5.6	77
309	The unsolved challenge to phylogenetic correlation tests for categorical characters. <i>Systematic Biology</i> , <b>2015</b> , 64, 127-36	8.4	265
308	Hsp90 promotes kinase evolution. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 91-9	8.3	35
307	Climate change and lizards: changing species' geographic ranges in Patagonia. <b>2015</b> , 15, 1121-1132		21
306	Evolution of mitochondrial DNA and its relation to basal metabolic rate. <b>2015</b> , 26, 566-71		5
305	The geometry of taking flight: limb morphometrics in Mesozoic theropods. <b>2015</b> , 276, 152-66		8
304	Temporal effects on host-parasite associations in four naturalized goby species living in sympatry. <b>2015</b> , 746, 233-243		17
303	Identical inferences about correlated evolution arise from ancestral state reconstruction and independent contrasts. <b>2015</b> , 364, 321-5		3
302	Increasing rate of species discovery in sharks coincides with sharp population declines: implications for biodiversity. <b>2015</b> , 38, 96-107		18
301	Phylogenetic Structure of Foliar Spectral Traits in Tropical Forest Canopies. <b>2016</b> , 8, 196		28
300	. <b>2016</b> ,		1
299	Selection during crop diversification involves correlated evolution of the circadian clock and ecophysiological traits in <i>Brassica rapa</i> . <i>New Phytologist</i> , <b>2016</b> , 210, 133-44	9.8	25
298	Subcaste-specific evolution of head size in the ant genus <i>Pheidole</i> . <b>2016</b> , 118, 472-485		12
297	The evolution of tail length in snakes associated with different gravitational environments. <i>Functional Ecology</i> , <b>2016</b> , 30, 244-254	5.6	18
296	When a general morphology allows many habitat uses. <b>2016</b> , 11, 483-499		22



295	Shedding light on the 'dark side' of phylogenetic comparative methods. <b>2016</b> , 7, 693-699		41
294	Variation in wood nutrients along a tropical soil fertility gradient. <i>New Phytologist</i> , <b>2016</b> , 211, 440-54	9.8	44
293	Axial allometry in a neutrally buoyant environment: effects of the terrestrial-aquatic transition on vertebral scaling. <b>2016</b> , 29, 594-601		9
292	Selection for predation, not female fecundity, explains sexual size dimorphism in the orchid mantises. <i>Scientific Reports</i> , <b>2016</b> , 6, 37753	4.9	10
291	Rates and patterns of molecular evolution in freshwater versus terrestrial insects. <b>2016</b> , 59, 968-980		5
290	Plant Proteins Are Smaller Because They Are Encoded by Fewer Exons than Animal Proteins. <b>2016</b> , 14, 357-370		26
289	Comparative Morphometrics in Leptodactyline Frogs (Anura, Leptodactylidae, Leptodactylinae): Does Burrowing Behavior Relate to Sexual Dimorphism?. <b>2016</b> , 50, 604-615		5
288	PATTERNS AND PROCESSES IN MORPHOSPACE: GEOMETRIC MORPHOMETRICS OF THREE-DIMENSIONAL OBJECTS. <b>2016</b> , 22, 71-99		12
287	Brain Evolution, Development, and Plasticity. <b>2016</b> , 422-443		1
286	Optimal allocation of leaf epidermal area for gas exchange. <i>New Phytologist</i> , <b>2016</b> , 210, 1219-28	9.8	88
285	Factors affecting nectar sugar composition in chiropterophilic plants. <b>2016</b> , 87, 465-473		11
284	Convergent Evolution Provides Evidence of Similar Radiations in Shell Shape in the Turtle Families Emydidae and Geoemydidae. <b>2016</b> , 72, 120		14
283	Ecomorphological differences in foraging and pattering behavior among storm-petrels in the eastern Pacific Ocean Diferencias ecomorfológicas en el forrajeo y el comportamiento de golpeteo entre petreles de tormenta en el Pacífico Oriental Foraging and pattering behavior in storm-petrels. <b>2016</b> , 133, 397-414		8
282	Host body size and the diversity of tick assemblages on Neotropical vertebrates. <b>2016</b> , 5, 295-304		30
281	Phylogenetic ANCOVA: Estimating Changes in Evolutionary Rates as Well as Relationships between Traits. <b>2016</b> , 188, 615-627		11
280	Continental cichlid radiations: functional diversity reveals the role of changing ecological opportunity in the Neotropics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	20
279	A comparative analysis of host feeding and life-history traits in parasitoid wasps. <b>2016</b> , 159, 172-180		4
278	Environmental correlates of body size distribution in Cyprinidae (Actinopterygians) depend on phylogenetic scale. <b>2016</b> , 25, 125-132		2

277	Full Issue. <b>2016</b> , 133, i-i		
276	Maximum relative speeds of living organisms: Why do bacteria perform as fast as ostriches?. <b>2016</b> , 13, 066006		12
275	Morphological convergence in the pubis of slow-moving primates and xenarthrans. <b>2016</b> , 161, 381-397		12
274	The Potency of Nef-Mediated SERINC5 Antagonism Correlates with the Prevalence of Primate Lentiviruses in the Wild. <b>2016</b> , 20, 381-391		68
273	Allometric Relationships Better Explain Seed Coat Microsculpture Traits in <i>Mentzelia Section Bartonina</i> (Loasaceae) than Ecology or Dispersal. <b>2016</b> , 177, 263-276		2
272	The evolution of adult light emission color in North American fireflies. <i>Evolution; International Journal of Organic Evolution</i> , <b>2016</b> , 70, 2033-48	3.8	16
271	Do saline taxa evolve faster? Comparing relative rates of molecular evolution between freshwater and marine eukaryotes. <i>Evolution; International Journal of Organic Evolution</i> , <b>2016</b> , 70, 1960-78	3.8	14
270	Correlated evolution between targets of pre- and postcopulatory sexual selection across squamate reptiles. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 6452-6459	2.8	21
269	Phylogenetic Comparative Method. <b>2016</b> , 254-256		
268	The evolution of genital complexity and mating rates in sexually size dimorphic spiders. <b>2016</b> , 16, 242		9
267	Animal choruses emerge from receiver psychology. <i>Scientific Reports</i> , <b>2016</b> , 6, 34369	4.9	17
266	Importance of metabolic rate to the relationship between the number of genes in a functional category and body size in Peto's paradox for cancer. <b>2016</b> , 3, 160267		4
265	The evolution of parental investment in caecilian amphibians: a comparative approach. <b>2016</b> , 119, 4-14		18
264	Habitat variability does not generally promote metabolic network modularity in flies and mammals. <b>2016</b> , 139, 46-54		3
263	Stereotypic route tracing in captive Carnivora is predicted by species-typical home range sizes and hunting styles. <b>2016</b> , 117, 197-209		35
262	Thermal adaptation and phosphorus shape thermal performance in an assemblage of rainforest ants. <b>2016</b> , 97, 1038-47		26
261	Macroevolutionary patterns of ultraviolet floral pigmentation explained by geography and associated bioclimatic factors. <i>New Phytologist</i> , <b>2016</b> , 211, 708-18	9.8	30
260	Functional correlations between specific leaf area and specific root length along a regional environmental gradient in Inner Mongolia grasslands. <i>Functional Ecology</i> , <b>2016</b> , 30, 985-997	5.6	47

259	Demographic indicators of change in a deposit-feeding abyssal holothurian community (Station M, 4000 m). <b>2016</b> , 109, 27-39		14
258	Inferring Bounded Evolution in Phenotypic Characters from Phylogenetic Comparative Data. <i>Systematic Biology</i> , <b>2016</b> , 65, 651-61	8.4	21
257	Determinants of rodent longevity in the chaperone-protein degradation network. <b>2016</b> , 21, 453-66		29
256	Life History Traits, Protein Evolution, and the Nearly Neutral Theory in Amniotes. <i>Molecular Biology and Evolution</i> , <b>2016</b> , 33, 1517-27	8.3	46
255	Improving phylogenetic regression under complex evolutionary models. <b>2016</b> , 97, 286-93		11
254	Did Adult Diurnal Activity Influence the Evolution of Wing Morphology in Ooptera Butterflies?. <b>2016</b> , 45, 50-7		5
253	The Craniolingual Morphology of Waterfowl (Aves, Anseriformes) and Its Relationship with Feeding Mode Revealed Through Contrast-Enhanced X-Ray Computed Tomography and 2D Morphometrics. <b>2016</b> , 43, 12-25		18
252	Are Hypsodonty and Occlusal Enamel Complexity Evolutionarily Correlated in Ungulates?. <b>2016</b> , 23, 43-47		18
251	Do thermoregulatory costs limit altitude distributions of Andean forest birds?. <i>Functional Ecology</i> , <b>2017</b> , 31, 204-215	5.6	40
250	Ecological associations of autopodial osteology in Neotropical geckos. <b>2017</b> , 278, 290-299		8
249	Can spatial sorting associated with spawning migration explain evolution of body size and vertebral number in eels?. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 751-761	2.8	6
248	Taxonomic effect on plant base concentrations and stoichiometry at the tips of the phylogeny prevails over environmental effect along a large scale gradient. <b>2017</b> , 126, 1241-1249		5
247	A test of the nest sanitation hypothesis for the evolution of foreign egg rejection in an avian brood parasite rejecter host species. <b>2017</b> , 104, 14		20
246	Trophic position determines functional and phylogenetic recovery after disturbance within a community. <i>Functional Ecology</i> , <b>2017</b> , 31, 1441-1451	5.6	14
245	Time-limited environments affect the evolution of egg-body size allometry. <i>Evolution; International Journal of Organic Evolution</i> , <b>2017</b> , 71, 1900-1910	3.8	13
244	Divergence of thermal physiological traits in terrestrial breeding frogs along a tropical elevational gradient. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 3257-3267	2.8	37
243	Shade tolerance and herbivory are associated with RGR of tree species via different functional traits. <b>2017</b> , 19, 413-419		18
242	Using comparative biology to understand how aging affects mitochondrial metabolism. <b>2017</b> , 455, 54-61		9

241	Trait Evolution in Adaptive Radiations: Modeling and Measuring Interspecific Competition on Phylogenies. <b>2017</b> , 189, 121-137		37
240	Life History Variation in Monogonont Rotifers. <b>2017</b> , 89-109		3
239	Seasonal changes in energy expenditure, body temperature and activity patterns in llamas ( <i>Lama glama</i> ). <i>Scientific Reports</i> , <b>2017</b> , 7, 7600	4.9	18
238	Long-legged bees make adaptive leaps: linking adaptation to coevolution in a plant-pollinator network. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 284,	4.4	17
237	Morphological determinants of signal carrier frequency in katydids (Orthoptera): a comparative analysis using biophysical evidence of wing vibration. <b>2017</b> , 30, 2068-2078		14
236	Effects of biophysical constraints, climate and phylogeny on forest shrub allometries along an altitudinal gradient in Northeast China. <i>Scientific Reports</i> , <b>2017</b> , 7, 43769	4.9	1
235	Catch a tiger snake by its tail: Differential toxicity, co-factor dependence and antivenom efficacy in a procoagulant clade of Australian venomous snakes. <b>2017</b> , 202, 39-54		29
234	Factors contributing to the accumulation of reproductive isolation: A mixed model approach. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 5808-5820	2.8	9
233	No support for Heincke's law in hagfish (Myxinidae): lack of an association between body size and the depth of species occurrence. <b>2017</b> , 91, 545-557		
232	Physical trade-offs shape the evolution of buoyancy control in sharks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 284,	4.4	18
231	Is pollen size a robust proxy for moisture availability?. <b>2017</b> , 246, 161-166		4
230	Limitations of a metabolic network-based reverse ecology method for inferring host-pathogen interactions. <b>2017</b> , 18, 278		3
229	Does diet drive the evolution of head shape and bite force in chameleons of the genus <i>Bradypodion</i> ?. <i>Functional Ecology</i> , <b>2017</b> , 31, 671-684	5.6	19
228	Quantification of Myosin Heavy Chain Isoform mRNA Transcripts in the Supraspinatus Muscle of Vertical Clinger Primates. <b>2017</b> , 88, 497-506		1
227	Correlates of ecological-niche diversity and extinction risk of amphibians in China under climate change. <b>2017</b> , 30, 414		0
226	Tradeoff between Stem Hydraulic Efficiency and Mechanical Strength Affects Leaf-Stem Allometry in 28 Tree Species. <b>2017</b> , 8, 1619		24
225	Despite phylogenetic effects, C3-C4 lineages bridge the ecological gap to C4 photosynthesis. <b>2017</b> , 68, 241-254		22
224	Mating system, male territoriality and agility as predictors of the evolution of sexual size dimorphism in hummingbirds (Aves: Trochilidae). <b>2017</b> , 154, 1297-1341		3

223	The Right Tools for the Job: Cooperative Breeding Theory and an Evaluation of the Methodological Approaches to Understanding the Evolution and Maintenance of Sociality. <b>2017</b> , 5,		6
222	Life-history strategy, resource dispersion and phylogenetic associations shape dispersal of a fig wasp community. <b>2017</b> , 5, 25		7
221	Allometry of sexual size dimorphism in turtles: a comparison of mass and length data. <i>PeerJ</i> , <b>2017</b> , 5, e2914	3.1	8
220	Macroevolutionary patterning of woodpecker drums reveals how sexual selection elaborates signals under constraint. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 285,	4.4	24
219	Historical and ecological influence in the evolutionary diversification of external morphology of neotropical spiny rats (Echimyidae, Rodentia). <b>2018</b> , 56, 453-465		5
218	Phylogenetic patterns and correlation of key structures for jumping: bone crests and cross-sectional areas of muscles in <i>Leptodactylus</i> (Anura, Leptodactylidae). <b>2018</b> , 232, 870-885		4
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216	Phylogenetic ANOVA: Group-clade aggregation, biological challenges, and a refined permutation procedure. <i>Evolution; International Journal of Organic Evolution</i> , <b>2018</b> , 72, 1204-1215	3.8	44
215	Phylogeny, habitat together with biological and ecological factors can influence germination of 36 subalpine species from the eastern Tibetan Plateau. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 3589-3598	2.8	2
214	Rethinking phylogenetic comparative methods. <i>Systematic Biology</i> , <b>2018</b> , 67, 1091-1109	8.4	112
213	Deep cultural ancestry and human development indicators across nation states. <b>2018</b> , 5, 171411		7
212	Pervasive Correlated Evolution in Gene Expression Shapes Cell and Tissue Type Transcriptomes. <b>2018</b> , 10, 538-552		30
211	Developments in development: What have we learned from primate locomotor ontogeny?. <b>2018</b> , 165 Suppl 65, 37-71		32
210	Phylogenetic scale in ecology and evolution. <b>2018</b> , 27, 175-187		91
209	Model Adequacy and Microevolutionary Explanations for Stasis in the Fossil Record. <b>2018</b> , 191, 509-523		21
208	Miniaturization and morphological evolution in Paleozoic relatives of living amphibians: a quantitative approach. <b>2018</b> , 44, 58-75		13
207	Tree seedling vitality improves with functional diversity in a Mediterranean common garden experiment. <b>2018</b> , 409, 614-633		7
206	Decoupled dimensions of leaf economic and anti-herbivore defense strategies in a tropical canopy tree community. <b>2018</b> , 186, 765-782		15

205	Leaf-level trade-offs between drought avoidance and desiccation recovery drive elevation stratification in arid oaks. <b>2018</b> , 9, e02149		14
204	Structural and functional traits predict short term response of tropical dry forests to a high intensity hurricane. <b>2018</b> , 426, 101-114		40
203	Estimating body size in early primates: The case of Archicebus and Teilhardina. <b>2018</b> , 115, 8-19		8
202	Tendinous framework of anurans reveals an all-purpose morphology. <b>2018</b> , 126, 172-184		7
201	The evolution of bite force in horned lizards: the influence of dietary specialization. <b>2018</b> , 232, 214-226		13
200	Ecological and evolutionary implications of allometric growth in stomach size of brachyuran crabs. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207416	3.7	8
199	A causal partition of trait correlations: using graphical models to derive statistical models from theoretical language. <b>2018</b> , 9, e02422		4
198	Ten Cases of Divergence in the Seedling Ecology of <i>Dudleya</i> (Crassulaceae). <b>2018</b> , 43, 889-900		
197	Origin of exon skipping-rich transcriptomes in animals driven by evolution of gene architecture. <b>2018</b> , 19, 135		42
196	Body Size Is Positively Correlated With Conspicuous Coloration in <i>Ambystoma</i> Salamanders, but Negatively Correlated With Conspicuous Coloration in <i>Plethodon</i> Salamanders. <b>2018</b> , 6,		0
195	Skink ecomorphology: forelimb and hind limb lengths, but not static stability, correlate with habitat use and demonstrate multiple solutions. <b>2018</b> ,		2
194	Phylogenetic signal in tooth wear dietary niche proxies: What it means for those in the field. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 11363-11367	2.8	3
193	Global patterns in wood carbon concentration across the world's trees and forests. <b>2018</b> , 11, 915-920		41
192	Assessing adequacy of models of phyletic evolution in the fossil record. <b>2018</b> , 9, 2402-2413		6
191	A Review of locomotor diversity in mammals with analyses exploring the influence of substrate use, body mass and intermembral index in primates. <b>2018</b> , 306, 207-216		23
190	Evolution of skeletal and muscular morphology within the functionally integrated lower jaw adduction system of sculpins and relatives (Cottoidei). <b>2018</b> , 129, 59-65		4
189	Phylogenetic comparative methods: Harnessing the power of species diversity to investigate welfare issues in captive wild animals. <b>2018</b> , 37, 369-388		9
188	Sexual size dimorphism and sex ratio in arthropod ectoparasites: contrasting patterns at different hierarchical scales. <b>2018</b> , 48, 969-978		9

187	Leaf rehydration capacity: Associations with other indices of drought tolerance and environment. <b>2018</b> , 41, 2638-2653			13
186	Graphs in phylogenetic comparative analysis: Anscombe's quartet revisited. <b>2018</b> , 9, 2145-2154			5
185	Source of environmental data and warming tolerance estimation in six species of North American larval anurans. <b>2018</b> , 76, 171-178			5
184	Evaluating Model Performance in Evolutionary Biology. <b>2018</b> , 49, 95-114			22
183	Phylogenetic signal in tooth wear dietary niche proxies. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 5355-5368	2.8		17
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181	Ecological mechanisms and phylogeny shape invertebrate stoichiometry: A test using detritus-based communities across Central and South America. <i>Functional Ecology</i> , <b>2018</b> , 32, 2448-2463	5.6		28
180	The Role of Feeding Specialization on Post-Prandial Metabolic Rate in Snakes of the Genus <i>Bothrops</i> . <b>2018</b> , 35, 373-381			7
179	Evolution of body size and trophic position in migratory fishes: a phylogenetic comparative analysis of Clupeiformes (anchovies, herring, shad and allies). <b>2018</b> , 125, 302-314			17
178	Crassulacean acid metabolism and distribution range in Chilean Bromeliaceae: Influences of climate and phylogeny. <b>2018</b> , 45, 1541-1549			1
177	Sexual dimorphism explains residual variance around the survival-reproduction tradeoff in lizards: Implications for sexual conflict over life-history evolution. <i>Evolution; International Journal of Organic Evolution</i> , <b>2019</b> , 73, 2324-2332	3.8		2
176	Silicon cycled by tropical forest trees: effects of species, elevation and parent material on Mount Kinabalu, Malaysia. <b>2019</b> , 443, 155-166			9
175	Tradeoffs in hyphal traits determine mycelium architecture in saprobic fungi. <i>Scientific Reports</i> , <b>2019</b> , 9, 14152	4.9		10
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173	Sensitivity of dryland plant allometry to climate. <i>Functional Ecology</i> , <b>2019</b> , 33, 2290-2303	5.6		13
172	High Heat Tolerance Is Negatively Correlated with Heat Tolerance Plasticity in Nudibranch Mollusks. <b>2019</b> , 92, 430-444			15
171	Phylo-comparative analyses reveal the dual role of drift and selection in reproductive character displacement. <b>2019</b> , 140, 106597			0
170	Plastome Sequences Help to Resolve Deep-Level Relationships of in the Family Salicaceae. <b>2019</b> , 10, 5			20

169	Phylogenomics, biogeography and evolution in the American genus <i>Brahea</i> (Arecaceae). <b>2019</b> , 190, 242-259	8
168	Building a Body Shape Morphospace of Teleostean Fishes. <b>2019</b> , 59, 716-730	28
167	Correlated evolution of neck length and leg length in birds. <b>2019</b> , 6, 181588	9
166	Recent Trends in Research on the Genetic Diversity of Plants: Implications for Conservation. <b>2019</b> , 11, 62	20
165	Functional coupling in the evolution of suction feeding and gill ventilation of sculpins (Perciformes: Cottoidei). <b>2019</b> , 59, 394-409	4
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163	Do tropical plants have smaller genomes? Correlation between genome size and climatic variables in the Caesalpinia Group (Caesalpinioideae, Leguminosae). <b>2019</b> , 38, 13-23	13
162	Disentangling wing shape evolution in the African mayfly, Teloganodidae (Ephemeroptera). <b>2019</b> , 280, 30-41	
161	Sexual dimorphism in postcranial skeletal shape suggests male-biased specialization for physical competition in anthropoid primates. <b>2019</b> , 280, 731-738	5
160	Discriminating among forest communities based on taxonomic, phylogenetic and trait distances. <b>2019</b> , 440, 40-47	10
159	Ecological associations among epidermal microstructure and scale characteristics of Australian geckos (Squamata: Carphodactylidae and Diplodactylidae). <b>2019</b> , 234, 853-874	7
158	Energy expenditure and body temperature variations in llamas living in the High Andes of Peru. <i>Scientific Reports</i> , <b>2019</b> , 9, 4037	4.9 13
157	Revisiting a Key Innovation in Evolutionary Biology: Felsenstein's "Phylogenies and the Comparative Method". <b>2019</b> , 193, 755-772	23
156	Comparative limb bone scaling in turtles: Phylogenetic transitions with changes in functional demands?. <b>2019</b> , 280, 593-603	0
155	Evolutionary Rate Correlation between Mitochondrial-Encoded and Mitochondria-Associated Nuclear-Encoded Proteins in Insects. <i>Molecular Biology and Evolution</i> , <b>2019</b> , 36, 1022-1036	8.3 23
154	Phylogenetic relationships of <i>Gastrochilus</i> (Orchidaceae) based on nuclear and plastid DNA data. <b>2019</b> , 189, 228-243	4
153	Low-temperature tolerance of early juveniles of six terrestrial hermit crab species. <b>2019</b> , 69, 349-364	1
152	Dietary specialization is conditionally associated with increased ant predation risk in a temperate forest caterpillar community. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 12099-12112	2.8 2



151	Identifying models of trait-mediated community assembly using random forests and approximate Bayesian computation. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 13218-13230	2.8	8
150	Variation in limb loading magnitude and timing in tetrapods. <i>Journal of Experimental Biology</i> , <b>2020</b> , 223,	3	15
149	R <sup>2</sup> for Correlated Data: Phylogenetic Models, LMMs, and GLMMs. <i>Systematic Biology</i> , <b>2019</b> , 68, 234-251	8.4	74
148	Morphological integration and evolution of the skull roof in temnospondyl amphibians. <b>2019</b> , 45, 341-351		1
147	Not all 'pine cones' flex: functional trade-offs and the evolution of seed release mechanisms. <i>New Phytologist</i> , <b>2019</b> , 222, 396-407	9.8	6
146	Anuran forelimb muscle tendinous structures and their relationship with locomotor modes and habitat use. <b>2019</b> , 65, 599-608		3
145	Absence of Relationship between Mitochondrial DNA Evolutionary Rate and Longevity in Mammals except for CYTB. <b>2019</b> , 26, 1-7		1
144	Relationship between myological variables and different take-off and landing behaviours in frogs. <b>2020</b> , 101, 271-281		0
143	Plastid phylogenomics improve phylogenetic resolution in the Lauraceae. <b>2020</b> , 58, 423-439		27
142	The influence of locomotion and habitat use on tendo-muscular units of an anuran clade (Anura, Diphyabatrachia). <b>2020</b> , 284, 66-77		1
141	Subtle, pervasive genetic correlation between the sexes in the evolution of dimorphic hummingbird tail ornaments. <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 528-543	3.8	6
140	Does temperature at local scale explain thermal biology patterns of temperate tadpoles?. <b>2020</b> , 94, 102744		0
139	Upper thermal tolerance of early juveniles of six terrestrial hermit crab species. <b>2020</b> , 70, 39-53		0
138	The reproductive period of tarantulas is constrained by their thermal preferences (Araneae, Theraphosidae). <b>2020</b> , 92, 102665		2
137	Relationships of song structure to phylogenetic history, habitat, and morphology in the vireos, greenlets, and allies (Passeriformes: Vireonidae). <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 2494-2511	3.8	4
136	Are there phylogenetic differences in salivary tannin-binding proteins between browsers and grazers, and ruminants and hindgut fermenters?. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 10426-10439	2.8	6
135	Unravelling associations among chemosensory system components in Liolaemus lizards. <b>2020</b> , 312, 148-157		1
134	Attenuated phenotypic responses of lizard morphology to logging and fire-related forest disturbance. <b>2020</b> , 34, 841-853		

133	Evolutionary optimization of an anatomical suction cup: Lip collagen content and its correlation with flow and substrate in Neotropical suckermouth catfishes (Loricarioidei). <b>2020</b> , 281, 676-687		1
132	The dark side of coloration: Ecogeographical evidence supports Gloger's rule in American marsupials. <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 2046-2058	3.8	10
131	Contrasting migratory journeys and changes in hippocampal astrocyte morphology in shorebirds. <b>2021</b> , 54, 5687-5704		3
130	Phylobabble. <b>2020</b> , 36, 540-542		
129	Morphological integration and serial homology: A case study of the cranium and anterior vertebrae in salamanders. <b>2020</b> , 58, 1206-1219		0
128	A History of Ideas in Evolutionary Neuroscience. <b>2020</b> , 3-16		1
127	Effects of anthropogenic disturbances on biodiversity and biomass stock of Cerrado, the Brazilian savanna. <b>2020</b> , 29, 3151-3168		13
126	Phylogenetic Character Reconstruction. <b>2020</b> , 17-28		1
125	The allometry of daily energy expenditure in hummingbirds: An energy budget approach. <b>2020</b> , 89, 1254-1261		5
124	Revisiting the hypothesis of an energetic barrier to genome complexity between eukaryotes and prokaryotes. <b>2020</b> , 7, 191859		4
123	Phylogenetic signatures in reflected foliar spectra of regenerating plants in Neotropical forest gaps. <b>2021</b> , 253, 112172		1
122	Body mass-related changes in mammal community assembly patterns during the late Quaternary of North America. <b>2021</b> , 44, 56-66		1
121	Chemically informed analyses of metabolomics mass spectrometry data with Qemistree. <b>2021</b> , 17, 146-151		29
120	Special Care Is Needed in Applying Phylogenetic Comparative Methods to Gene Trees with Speciation and Duplication Nodes. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 1614-1626	8.3	1
119	DUALCOR: a phylogenetic comparative method to evaluate phylogenetic correlation between a character and a non-evolving external variable. <b>2021</b> , 37, 586-595		
118	Variation in upper thermal tolerance among 19 species from temperate wetlands. <b>2021</b> , 96, 102856		1
117	A variable-rate quantitative trait evolution model using penalized-likelihood.		2
116	How should functional relationships be evaluated using phylogenetic comparative methods? A case study using metabolic rate and body temperature. <i>Evolution; International Journal of Organic Evolution</i> , <b>2021</b> , 75, 1097-1105	3.8	2

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114	Using Integrative Biology to Infer Adaptation from Comparisons of Two (or a Few) Species. <b>2021</b> , 94, 162-170		1
113	A simple hierarchical model for heterogeneity in the evolutionary correlation on a phylogenetic tree.		1
112	Coral community composition and carbonate production in an urbanized seascape. <b>2021</b> , 168, 105322		4
111	Phylogenetic history of vascular plant metabolism revealed using a macroevolutionary common garden. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20210605	4.4	
110	Microglial Morphology Across Distantly Related Species: Phylogenetic, Environmental and Age Influences on Microglia Reactivity and Surveillance States. <b>2021</b> , 12, 683026		3
109	Comparative phylogenetic analysis of milk output at peak lactation. <b>2021</b> , 257, 110976		1
108	Evolutionary history of quadrupedal walking gaits shows mammalian release from locomotor constraint. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20210937	4.4	2
107	Performance of a phylogenetic independent contrast method and an improved pairwise comparison under different scenarios of trait evolution after speciation and duplication. <b>2021</b> , 12, 1875		0
106	Ulna Curvature in Arboreal and Terrestrial Primates. <b>2021</b> , 28, 897-909		3
105	A variable-rate quantitative trait evolution model using penalized-likelihood. <i>PeerJ</i> , <b>2021</b> , 9, e11997	3.1	4
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103	Macroevolutionary ecomorphology of the Carnivora skull: adaptations and constraints in the extant species.		4
102	Temperature predicts the rate of molecular evolution in Australian Eugongylineae skinks. <i>Evolution; International Journal of Organic Evolution</i> , <b>2021</b> ,	3.8	0
101	Vision-Linked Traits Associated With Antenna Size and Foraging Ecology Across Ants. <b>2021</b> , 5,		3
100	Novel ACE2 protein interactions relevant to COVID-19 predicted by evolutionary rate correlations. <i>PeerJ</i> , <b>2021</b> , 9, e12159	3.1	1
99	Daily energy expenditure and water turnover in two breeds of laying hens kept in floor housing. <b>2021</b> , 15, 100047		1
98	A Partial Solution to the C-Value Paradox. <b>2005</b> , 97-105		3

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94	Animal Size, Metabolic Rate, and Survival, Among and Within Species. <b>2010</b> , 27-41	10
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91	Macroevolutionary Theory on Macroecological Patterns. <b>2002</b> ,	20
90	Interactions between habitat use, behavior, and the trophic niche of lacertid lizards. 427-449	34
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85	A simple offspring-to-mother size ratio predicts post-reproductive lifespan.	1
84	Rethinking phylogenetic comparative methods.	4
83	How to build a mycelium: tradeoffs in fungal architectural traits.	3
82	Phylogenomics, biogeography, and evolution in the American palm genus Brahea.	1
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