

Contributions of individual taxa to overall morphologic

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Morphological disparity in Ordovician-Devonian crinoids and the early saturation of morphological space. <i>Paleobiology</i> , 1994, 20, 320-344.	1.3	222
2	Morphological diversification of Paleozoic crinoids. <i>Paleobiology</i> , 1995, 21, 273-299.	1.3	116
3	The spirit of D'Arcy Thompson dwells in empirical morphospace. <i>Mathematical Biosciences</i> , 1997, 142, 13-30.	0.9	37
4	THE EVOLUTION OF MORPHOLOGICAL DIVERSITY. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1997, 28, 129-152.	6.7	507
5	Morphological approaches to measuring biodiversity. <i>Trends in Ecology and Evolution</i> , 1997, 12, 277-281.	4.2	131
6	Sampling, taxonomic description, and our evolving knowledge of morphological diversity. <i>Paleobiology</i> , 1997, 23, 181-206.	1.3	37
7	Evolutionary correlates of arthropod tagmosis: scrambled legs. , 1998, , 57-65.		15
8	Morphologic diversity of inarticulate brachiopods through the Phanerozoic. <i>Paleobiology</i> , 1999, 25, 396-408.	1.3	23
9	The Fossil Record of North American Mammals: Evidence for a Paleocene Evolutionary Radiation. <i>Systematic Biology</i> , 1999, 48, 107-118.	2.7	235
10	Morphological diversity in the evolutionary radiation of Paleozoic and post-Paleozoic crinoids. <i>Paleobiology</i> , 1999, 25, 1-116.	1.3	54
11	Trilobite paleobiology: Past, present, and future. <i>Journal of Paleontology</i> , 1999, 73, 161-163.	0.5	2
12	Morphological Diversity In The Evolutionary Radiation Of Paleozoic and Post-Paleozoic Crinoids. <i>Paleobiology</i> , 1999, 25, 1-115.	1.3	216
13	Morphological Disparity: A Primer. <i>Topics in Geobiology</i> , 2001, , 55-144.	0.6	76
14	QUANTIFYING PASSIVE AND DRIVEN LARGE-SCALE EVOLUTIONARY TRENDS. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 849.	1.1	38
15	Projecting mechanics into morphospace: disparity in the feeding system of labrid fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 317-326.	1.2	111
16	MDA: a MATLAB-based program for morphospace-disparity analysis. <i>Computers and Geosciences</i> , 2003, 29, 655-664.	2.0	41
17	Evolutionary trends and the origin of the mammalian lower jaw. <i>Paleobiology</i> , 2003, 29, 605-640.	1.3	44
18	Morphological diversity of Carboniferous arthropods and insights on disparity patterns through the Phanerozoic. <i>Paleobiology</i> , 2003, 29, 349-368.	1.3	24

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19	The ontogenetic dynamics of shape disparity. <i>Paleobiology</i> , 2003, 29, 139-156.	1.3	134
20	Disparity and variation. , 2004, , 293-319.		2
21	Effects of morphometric descriptor changes on statistical classification and morphospaces. <i>Biological Journal of the Linnean Society</i> , 2004, 83, 243-260.	0.7	46
22	CONSTRAINTS ON THE MORPHOLOGICAL EVOLUTION OF MARSUPIAL HOULDER GIRDLES. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2353-2370.	1.1	78
23	Theoretical morphology of developmental asymmetries. <i>BioEssays</i> , 2004, 26, 405-412.	1.2	28
26	CONSTRAINTS ON THE MORPHOLOGICAL EVOLUTION OF MARSUPIAL SHOULDER GIRDLES. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2353.	1.1	67
27	Faunal invasions as a source of morphological constraints and innovations? The diversification of the early <i>Cardioceratidae</i> (Ammonoidea; Middle Jurassic). <i>Paleobiology</i> , 2005, 31, 98-116.	1.3	22
28	Testing Conjectures about Morphological Diversity in Cichlids of Lakes Malawi and Tanganyika. <i>Copeia</i> , 2005, 2005, 359-373.	1.4	36
29	Patterns of segregation and convergence in the evolution of fern and seed plant leaf morphologies. <i>Paleobiology</i> , 2005, 31, 117-140.	1.3	67
30	Phenotypic plasticity in two marine snails: constraints superseding life history. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1861-1872.	0.8	82
31	Differences between sliding semi-landmark methods in geometric morphometrics, with an application to human craniofacial and dental variation. <i>Journal of Anatomy</i> , 2006, 208, 769-784.	0.9	338
32	Variation and causal factors of craniofacial robusticity in Patagonian hunter-gatherers from the late Holocene. <i>American Journal of Human Biology</i> , 2006, 18, 748-765.	0.8	50
33	Diversification of atypical Paleozoic echinoderms: a quantitative survey of patterns of stylophoran disparity, diversity, and geography. <i>Paleobiology</i> , 2006, 32, 483-510.	1.3	19
34	Using a theoretical ecospace to quantify the ecological diversity of Paleozoic and modern marine biotas. <i>Paleobiology</i> , 2007, 33, 273-294.	1.3	65
35	The space-time relationship of taxonomic diversity and morphological disparity in the Middle Jurassic ammonite radiation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 248, 82-95.	1.0	35
36	Artificial cranial deformation in South America: a geometric morphometrics approximation. <i>Journal of Archaeological Science</i> , 2007, 34, 1649-1658.	1.2	44
37	A geometric morphometric study of the variation in scales of <i>Mallomonas striata</i> (Synurophyceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	17
38	Investigation of simulated tectonic deformation in fossils using geometric morphometrics. <i>Paleobiology</i> , 2007, 33, 125-148.	1.3	46

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39	The influence of artificial cranial vault deformation on the expression of cranial nonmetric traits: Its importance in the study of evolutionary relationships. <i>American Journal of Physical Anthropology</i> , 2007, 134, 251-262.	2.1	24
40	QUANTIFYING PASSIVE AND DRIVEN LARGE-SCALE EVOLUTIONARY TRENDS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 55, 849-858.	1.1	1
41	Combining ontogenetic and evolutionary scales of morphological disparity: a study of early Jurassic ammonites. <i>Evolution & Development</i> , 2007, 9, 472-482.	1.1	56
42	The correlated evolution of <i>Runx2</i> tandem repeats, transcriptional activity, and facial length in Carnivora. <i>Evolution & Development</i> , 2007, 9, 555-565.	1.1	91
43	DISPARITY: MORPHOLOGICAL PATTERN AND DEVELOPMENTAL CONTEXT. <i>Palaeontology</i> , 2007, 50, 57-73.	1.0	298
44	TESTING FOR UNEQUAL RATES OF MORPHOLOGICAL DIVERSIFICATION IN THE ABSENCE OF A DETAILED PHYLOGENY: A CASE STUDY FROM CHARACIFORM FISHES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 299-316.	1.1	36
45	GEOMETRIC MORPHOMETRIC ANALYSES PROVIDE EVIDENCE FOR THE ADAPTIVE CHARACTER OF THE TANGANYIKAN CICHLID FISH RADIATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 560-578.	1.1	151
46	Analysis of experimental cranial skin wounding from screwdriver trauma. <i>International Journal of Legal Medicine</i> , 2008, 122, 179-187.	1.2	19
47	Patterns of morphospace occupation and mechanical performance in extant crocodylian skulls: A combined geometric morphometric and finite element modeling approach. <i>Journal of Morphology</i> , 2008, 269, 840-864.	0.6	162
48	ALLOMETRIC SPACE AND ALLOMETRIC DISPARITY: A DEVELOPMENTAL PERSPECTIVE IN THE MACROEVOLUTIONARY ANALYSIS OF MORPHOLOGICAL DISPARITY. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 1450-1457.	1.1	76
49	ONTOGENETIC NICHE SHIFT IN THE BRACHIOPOD <i>TEREBRATALIA TRANSVERSA</i> : RELATIONSHIP BETWEEN THE LOSS OF ROTATION ABILITY AND ALLOMETRIC GROWTH. <i>Palaeontology</i> , 2008, 51, 1471-1496.	1.0	20
50	Comparative Paleocology of Fossils and Fossil Assemblages. <i>The Paleontological Society Papers</i> , 2008, 14, 289-317.	0.8	5
51	LA IMPORTANCIA DE LAS VARIABLES MORFOLÓGICAS, MÉTRICAS Y DE MICRODESGASTE PARA EVALUAR LAS DIFERENCIAS EN DISEÑOS DE PUNTAS DE PROYECTIL BIFACIALES PEDUNCULADAS: UN EJEMPLO DEL SUR DE PATAGONIA CONTINENTAL. <i>Magallania</i> , 2009, 37, .	0.1	19
52	The Concept of Morphospaces in Evolutionary and Developmental Biology: Mathematics and Metaphors. <i>Biological Theory</i> , 2009, 4, 54-67.	0.8	102
53	Diversity and morphological disparity of desmid assemblages in Central European peatlands. <i>Hydrobiologia</i> , 2009, 630, 243-256.	1.0	27
54	Nesting ecology in the freshwater turtle <i>Podocnemis unifilis</i> : spatiotemporal patterns and inferred explanations. <i>Functional Ecology</i> , 2009, 23, 826-835.	1.7	21
55	Historical and ecological correlates of body shape in the brook stickleback, <i>Culaea inconstans</i> . <i>Biological Journal of the Linnean Society</i> , 0, 96, 769-783.	0.7	13
56	Morphospace occupation in thalattosuchian crocodylomorphs: skull shape variation, species delineation and temporal patterns. <i>Palaeontology</i> , 2009, 52, 1057-1097.	1.0	72

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57	The effects of rarity and abundance distributions on measurements of local morphological disparity. <i>Paleobiology</i> , 2009, 35, 175-189.	1.3	22
58	Are rates of species diversification correlated with rates of morphological evolution?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2729-2738.	1.2	213
59	Ontogeny and geographic variation of a new species of the corynexochine trilobite <i>Zacanthopsis</i> (Dyeran, Cambrian). <i>Journal of Paleontology</i> , 2009, 83, 524-547.	0.5	38
60	Relationship between morphological disparity and taxonomic diversity in rodent communities in the zone of influence from the Eastern Ural Radioactive Trace in the Southern Urals. <i>Russian Journal of Ecology</i> , 2010, 41, 153-158.	0.3	13
61	Morphological Diversity Despite Isometric Scaling of Lever Arms. <i>Evolutionary Biology</i> , 2010, 37, 1-18.	0.5	23
62	Morphological variation over ontogeny and environments in resource polymorphic arctic charr (<i>Salvelinus alpinus</i>). <i>Evolution & Development</i> , 2010, 12, 246-257.	1.1	57
63	Comparative rates of lower jaw diversification in cichlid adaptive radiations. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1456-1467.	0.8	50
64	Comparative ecomorphology and biogeography of Herpestidae and Viverridae (Carnivora) in Africa and Asia. , 2010, , 246-268.		3
65	Benthic-Pelagic Divergence of Cichlid Feeding Architecture Was Prodigious and Consistent during Multiple Adaptive Radiations within African Rift-Lakes. <i>PLoS ONE</i> , 2010, 5, e9551.	1.1	143
66	A Practical Introduction to Landmark-Based Geometric Morphometrics. <i>The Paleontological Society Papers</i> , 2010, 16, 163-188.	0.8	222
67	Explosive morphological diversification of spiny-finned teleost fishes in the aftermath of the end-Cretaceous extinction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1675-1683.	1.2	183
68	Environmental and genetic determinant of otolith shape revealed by a non-indigenous tropical fish. <i>Marine Ecology - Progress Series</i> , 2010, 411, 231-241.	0.9	181
69	Disparity fluctuations in Jurassic ammonoids by means of conch geometry. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 292, 520-531.	1.0	15
70	Morphogenesis of the Zebrafish Jaw: Development Beyond the Embryo. <i>Methods in Cell Biology</i> , 2011, 101, 225-248.	0.5	15
71	Modern Morphometrics of Medically Important Insects. , 2011, , 473-501.		24
72	Initial radiation of jaws demonstrated stability despite faunal and environmental change. <i>Nature</i> , 2011, 476, 206-209.	13.7	116
73	Does morphological variation buffer against extinction? A test using veneroid bivalves from the Plio-Pleistocene of Florida. <i>Paleobiology</i> , 2011, 37, 355-368.	1.3	26
74	Phylogenetic relationships and morphological diversity in Neotropical <i>Heliotropium</i> (Heliotropiaceae). <i>Taxon</i> , 2011, 60, 663-680.	0.4	35

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75	Is sexual selection driving diversification of the bioluminescent ponyfishes (Teleostei: Leiognathidae)? Molecular Ecology, 2011, 20, 2818-2834.	2.0	23
76	Modularity of a Cambrian ptychoparioid trilobite cranium. Evolution & Development, 2011, 13, 96-109.	1.1	31
77	MOSAIC HETEROCHRONY AND EVOLUTIONARY MODULARITY: THE TRILOBITE GENUS ZACANTHOPSIS AS A CASE STUDY. Evolution; International Journal of Organic Evolution, 2011, 65, 3241-3252.	1.1	55
78	HOW SPECIES LONGEVITY, INTRASPECIFIC MORPHOLOGICAL VARIATION, AND GEOGRAPHIC RANGE SIZE ARE RELATED: A COMPARISON USING LATE CAMBRIAN TRILOBITES. Evolution; International Journal of Organic Evolution, 2011, 65, 3253-3273.	1.1	40
79	TESTING FOR DIFFERENCES IN RATES OF SPECIATION, EXTINCTION, AND MORPHOLOGICAL EVOLUTION IN FOUR TRIBES OF CICHLIDS ENDEMIC TO LAKE TANGANYIKA, EAST AFRICA. Evolution; International Journal of Organic Evolution, 2011, 65, 3398-3412.	1.1	3
80	Morphological convergence of shell shape in distantly related scallop species (Mollusca: Pectinidae). Zoological Journal of the Linnean Society, 2011, 163, 571-584.	1.0	53
81	The effects of aperiodic desiccation on the diversity of benthic desmid assemblages in a lowland peat bog. Biodiversity and Conservation, 2011, 20, 1695-1711.	1.2	18
82	Evolutionary Lability of Integration in Cambrian Ptychoparioid Trilobites. Evolutionary Biology, 2011, 38, 144-162.	0.5	28
83	Morphological variation in head shape of pipefishes and seahorses in relation to snout length and developmental growth. Journal of Morphology, 2011, 272, 1259-1270.	0.6	16
84	Testing the plateau: a reexamination of disparity and morphologic constraints in early Paleozoic crinoids. Paleobiology, 2011, 37, 214-236.	1.3	36
85	Performance, Accuracy, and Web Server for Evolutionary Placement of Short Sequence Reads under Maximum Likelihood. Systematic Biology, 2011, 60, 291-302.	2.7	476
86	Ecological and Evolutionary Morphology. , 2012, , 263-296.		1
88	The Roots of Amphibian Morphospace: A Geometric Morphometric Analysis of Paleozoic Temnospondyls. Fieldiana: Life and Earth Sciences, 2012, 5, 40-58.	1.0	13
89	Quantifying morphological change during an evolutionary radiation of Devonian trilobites. Paleobiology, 2012, 38, 292-307.	1.3	25
90	Adaptive radiation in the fossil record: a case study among Jurassic ammonoids. Palaeontology, 2013, 56, 1247-1261.	1.0	20
91	Triassic–Jurassic mass extinction as trigger for the Mesozoic radiation of crocodylomorphs. Biology Letters, 2013, 9, 20130095.	1.0	39
92	AN ADAPTIVE RADIATION OF FROGS IN A SOUTHEAST ASIAN ISLAND ARCHIPELAGO. Evolution; International Journal of Organic Evolution, 2013, 67, 2631-2646.	1.1	73
93	Deficiency of zebrafish <i>fgf20a</i> results in aberrant skull remodeling that mimics both human cranial disease and evolutionarily important fish skull morphologies. Evolution & Development, 2013, 15, 426-441.	1.1	20

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94	Evo-devo beyond morphology: from genes to resource use. <i>Trends in Ecology and Evolution</i> , 2013, 28, 267-273.	4.2	25
95	Combining geometric morphometrics, molecular phylogeny, and micropaleontology to assess evolutionary patterns in <i>Mallomonas</i> (Synurophyceae: Heterokontophyta). <i>Geobiology</i> , 2013, 11, 127-138.	1.1	22
96	Patterns of cranial ontogeny in lacertid lizards: morphological and allometric disparity. <i>Journal of Evolutionary Biology</i> , 2013, 26, 399-415.	0.8	31
97	Mammals across the K/Pg boundary in northeastern Montana, U.S.A.: dental morphology and body-size patterns reveal extinction selectivity and immigrant-fueled ecospace filling. <i>Paleobiology</i> , 2013, 39, 429-469.	1.3	106
98	Decoupling of taxonomic diversity and morphological disparity during decline of the Cambrian trilobite family Pterocephaliidae. <i>Journal of Evolutionary Biology</i> , 2013, 26, 1665-1676.	0.8	40
99	Ichnodiversity and ichnodisparity: significance and caveats. <i>Lethaia</i> , 2013, 46, 281-292.	0.6	69
100	CONSTRAINTS ON MAMMALIAN FORELIMB DEVELOPMENT: INSIGHTS FROM DEVELOPMENTAL DISPARITY. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3645-3652.	1.1	8
101	Trustworthy-Looking Face Meets Brown Eyes. <i>PLoS ONE</i> , 2013, 8, e53285.	1.1	65
102	Morphological and biomechanical disparity of crocodile-line archosaurs following the end-Triassic extinction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131940.	1.2	83
103	Diversity, Disparity, and Evolutionary Rate Estimation for Unresolved Yule Trees. <i>Systematic Biology</i> , 2013, 62, 439-455.	2.7	17
104	Late to the Table: Diversification of Tetrapod Mandibular Biomechanics Lagged Behind the Evolution of Terrestriality. <i>Integrative and Comparative Biology</i> , 2013, 53, 197-208.	0.9	47
105	Comparing body and otolith shape for stock discrimination of Pacific sardine, <i>Sardinops sagax</i> Jenyns, 1842. <i>Journal of Applied Ichthyology</i> , 2013, 29, 1241-1246.	0.3	18
106	The fossil record and macroevolutionary history of North American ungulate mammals: standardizing variation in intensity and geography of sampling. <i>Paleobiology</i> , 2014, 40, 238-255.	1.3	6
107	Intraspecific and interspecific variation of female genitalia in two species of watersnake. <i>Biological Journal of the Linnean Society</i> , 2014, 111, 183-191.	0.7	18
108	Trait-based diversification shifts reflect differential extinction among fossil taxa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16419-16424.	3.3	25
109	The ontogenetic origins of skull shape disparity in the <i>Triturus cristatus</i> group. <i>Evolution & Development</i> , 2014, 16, 306-317.	1.1	16
110	The history of South American octodontoid rodents and its contribution to evolutionary generalisations. , 2015, , 139-163.		15
111	Fossil and Transcriptomic Perspectives on the Origins and Success of Metazoan Multicellularity. <i>Advances in Marine Genomics</i> , 2015, , 31-46.	1.2	7

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112	What limits the morphological disparity of clades?. <i>Interface Focus</i> , 2015, 5, 20150042.	1.5	31
113	A superarmored lobopodian from the Cambrian of China and early disparity in the evolution of Onychophora. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8678-8683.	3.3	69
114	Body Shape Evolution in Sunfishes: Divergent Paths to Accelerated Rates of Speciation in the Centrarchidae. <i>Evolutionary Biology</i> , 2015, 42, 283-295.	0.5	23
115	Speciation dynamics during the global radiation of extant bats. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1528-1545.	1.1	257
116	Shape, size, and maturity trajectories of the human ilium. <i>American Journal of Physical Anthropology</i> , 2015, 156, 19-34.	2.1	49
117	Ecomorphological diversification following continental colonization in muroid rodents (Rodentia: Tj ETQq1 1 0.784314 rgBT /Overlod	0.7	31
118	Magnitude versus direction of change and the contribution of macroevolutionary trends to morphological disparity. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 116-130.	0.7	28
119	Geographic Variation in Skull Morphology of the Large Japanese Field Mice, <i>Apodemus speciosus</i> (Rodentia: Muridae) Revealed by Geometric Morphometric Analysis. <i>Zoological Science</i> , 2016, 33, 132.	0.3	10
120	Morphometric allometry of representatives of three naviculoid genera throughout their life cycle. <i>Diatom Research</i> , 2016, 31, 231-242.	0.5	13
121	Phylogenetic ANCOVA: Estimating Changes in Evolutionary Rates as Well as Relationships between Traits. <i>American Naturalist</i> , 2016, 188, 615-627.	1.0	16
122	Eutherian morphological disparity across the end-Cretaceous mass extinction. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 152-168.	0.7	55
123	Valve shape is not linked to genetic species in the <i>Eucypris virens</i> (Ostracoda, Crustacea) species complex. <i>Zoological Journal of the Linnean Society</i> , 2016, , .	1.0	6
124	Ecomorphological diversifications of Mesozoic marine reptiles: the roles of ecological opportunity and extinction. <i>Paleobiology</i> , 2016, 42, 547-573.	1.3	62
125	Correspondence Between Morphology and Ecology: Morphological Variation of the <i>Frustulia crassinervia-saxonica</i> Species Complex (Bacillariophyta) Reflects the Ombro-Minerotrophic Gradient. <i>Cryptogamie, Algologie</i> , 2016, 37, 15-28.	0.3	9
126	Diversity and morphological evolution of Jurassic belemnites from South Germany. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 457, 80-97.	1.0	30
127	Decoupled evolution of soft and hard substrate communities during the Cambrian Explosion and Great Ordovician Biodiversification Event. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6945-6948.	3.3	77
128	Contrasting Phylogenetic and Diversity Patterns in Octodontoid Rodents and a New Definition of the Family Abrocomidae. <i>Journal of Mammalian Evolution</i> , 2016, 23, 93-115.	1.0	50
129	Investigating Morphospace Occupation in Multi-Scale Ecological and Evolutionary Data Using Regression Tree: Case Studies and Perspectives. <i>Evolutionary Biology</i> , 2017, 44, 120-134.	0.5	3

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130	Geometric morphometric analyses of worn cheek teeth help identify extant and extinct gophers (Rodentia, Geomyidae). <i>Palaeontology</i> , 2017, 60, 281-307.	1.0	10
131	Discrete and morphometric traits reveal contrasting patterns and processes in the macroevolutionary history of a clade of scorpions. <i>Journal of Evolutionary Biology</i> , 2017, 30, 814-825.	0.8	15
132	The role of preservation on the quantification of morphology and patterns of disparity within Paleozoic echinoderms. <i>Journal of Paleontology</i> , 2017, 91, 618-632.	0.5	8
133	How (much) do flowers vary? Unbalanced disparity among flower functional modules and a mosaic pattern of morphospace occupation in the order Ericales. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170066.	1.2	35
134	Testing the Role of Cursorial Specializations as Adaptive Key Innovations in Paleocene-Eocene Ungulates of North America. <i>Journal of Mammalian Evolution</i> , 2017, 24, 453-463.	1.0	5
135	Early evolutionary diversification of mandible morphology in the New World monkeys (Primate.) <i>Tj ETQq1 1 0.784314 rgBT /Qverlock</i>	1.3	4
136	Categories of architectural designs in trace fossils: A measure of ichnodisparity. <i>Earth-Science Reviews</i> , 2017, 164, 102-181.	4.0	145
137	Shape Variation in the Craniomandibular System and Prevalence of Dental Problems in Domestic Rabbits: A Case Study in Evolutionary Veterinary Science. <i>Veterinary Sciences</i> , 2017, 4, 5.	0.6	19
138	The evolution of ontogenetic allometric trajectories in mammalian domestication. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 867-877.	1.1	24
139	Differential Rates of Male Genital Evolution in Sibling Species of <i>Drosophila</i> . <i>Evolutionary Biology</i> , 2018, 45, 211-222.	0.5	5
140	Phanerozoic survivors: Actinopterygian evolution through the Permian-Triassic and Triassic-Jurassic mass extinction events. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 348-362.	1.1	24
141	dispRity: A modular R package for measuring disparity. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1755-1763.	2.2	146
142	Body-shape diversity in Triassic-Early Cretaceous neopterygian fishes: sustained holostean disparity and predominantly gradual increases in teleost phenotypic variety. <i>Paleobiology</i> , 2018, 44, 402-433.	1.3	14
143	Disparity and Evolutionary Rate Do Not Explain Diversity Patterns in Muroid Rodents (Rodentia:) <i>Tj ETQq1 1 0.784314 rgBT /Qverlock</i>	0.5	16
144	Ornithomimosaur from the Nemegt Formation of Mongolia: manus morphological variation and diversity. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 494, 91-100.	1.0	13
145	Early bursts of disparity and the reorganization of character integration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181604.	1.2	13
146	A fly in a tube: Macroevolutionary expectations for integrated phenotypes. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 2580-2594.	1.1	100
147	Effects of mass extinction and recovery dynamics on long-term evolutionary trends: a morphological study of Strophomenida (Brachiopoda) across the Late Ordovician mass extinction. <i>Paleobiology</i> , 2018, 44, 603-619.	1.3	12

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148	Energetic increases lead to niche packing in deep-sea wood falls. <i>Biology Letters</i> , 2018, 14, 20180294.	1.0	11
149	The long-term ecology and evolution of marine reptiles in a Jurassic seaway. <i>Nature Ecology and Evolution</i> , 2018, 2, 1548-1555.	3.4	48
150	Evolution of metazoan morphological disparity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8909-E8918.	3.3	78
151	Static Dental Disparity and Morphological Turnover in Sharks across the End-Cretaceous Mass Extinction. <i>Current Biology</i> , 2018, 28, 2607-2615.e3.	1.8	22
152	Disentangling the drivers of diversification in an imperiled group of freshwater fishes (Cyprinodontiformes: Goodeidae). <i>BMC Evolutionary Biology</i> , 2018, 18, 116.	3.2	19
153	Shape variation and modularity of skull and teeth in domesticated horses and wild equids. <i>Frontiers in Zoology</i> , 2018, 15, 14.	0.9	50
154	Where does diversity come from? Linking geographical patterns of morphological, genetic, and environmental variation in wall lizards. <i>BMC Evolutionary Biology</i> , 2018, 18, 124.	3.2	19
155	Diversification rates indicate an early role of adaptive radiations at the origin of modern echinoid fauna. <i>PLoS ONE</i> , 2018, 13, e0194575.	1.1	17
156	Thyroid hormone modulation during zebrafish development recapitulates evolved diversity in danionin jaw protrusion mechanics. <i>Evolution & Development</i> , 2019, 21, 231-246.	1.1	21
157	Developmental shape changes in facial morphology: Geometric morphometric analyses based on a prospective, population-based, Chinese cohort in Hong Kong. <i>PLoS ONE</i> , 2019, 14, e0218542.	1.1	5
158	Multivariate comparison of variance in R. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1380-1392.	2.2	15
159	Spatial filters of function and phylogeny determine morphological disparity with latitude. <i>PLoS ONE</i> , 2019, 14, e0221490.	1.1	10
160	Nomadic pastoralists and sedentary farmers of the Sahel/Savannah Belt of Africa in the light of geometric morphometrics based on facial portraits. <i>American Journal of Physical Anthropology</i> , 2019, 169, 632-645.	2.1	10
161	Geometric Morphometric Tests for Phenotypic Divergence Between Chromosomal Races. , 2019, , 336-364.		9
162	Diversity and Disparity of Therocephalia: Macroevolutionary Patterns through Two Mass Extinctions. <i>Scientific Reports</i> , 2019, 9, 5063.	1.6	6
163	Beyond buzzâ€pollination â€ departures from an adaptive plateau lead to new pollination syndromes. <i>New Phytologist</i> , 2019, 221, 1136-1149.	3.5	61
164	Morphological disparity in ecologically diverse versus constrained lineages of Lake MalaÅµi rock-dwelling cichlids. <i>Hydrobiologia</i> , 2019, 832, 153-174.	1.0	14
165	Evolution of South American Paucituberculata (Metatheria: Marsupialia): adaptive radiation and climate changes at the Eocene- Oligocene boundary. <i>Historical Biology</i> , 2020, 32, 476-493.	0.7	18

#	ARTICLE	IF	CITATIONS
166	When the presence of a vateritic otolith has morphological effect on its aragonitic partner: trans-lateral compensation induces bias in microecological patterns in one-side-only vateritic otolith. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 285-294.	0.7	5
167	The morphospace of Late Permian coiled nautiloids. <i>Lethaia</i> , 2020, 53, 154-165.	0.6	3
168	A geometric morphometric approach for disparity of the sulcus acusticus of sagitta in species of Gerreidae (Teleostei: Perciformes). <i>Organisms Diversity and Evolution</i> , 2020, 20, 299-311.	0.7	1
169	Macroevolutionary patterns of body plan canalization in euarthropods. <i>Paleobiology</i> , 2020, 46, 569-593.	1.3	14
170	Linking patterns of intraspecific morphology to changing climates. <i>Journal of Biogeography</i> , 2020, 47, 2417-2425.	1.4	5
171	Shape disparity in the blade-like premolars of multituberculate mammals: functional constraints and the evolution of herbivory. <i>Journal of Mammalogy</i> , 2021, 102, 967-985.	0.6	12
172	Categorical versus geometric morphometric approaches to characterizing the evolution of morphological disparity in Osteostraci (Vertebrata, stem Gnathostomata). <i>Palaeontology</i> , 2020, 63, 717-732.	1.0	10
173	Re-examination of the cranial osteology of the Arctic Alaskan hadrosaurine with implications for its taxonomic status. <i>PLoS ONE</i> , 2020, 15, e0232410.	1.1	16
174	Divergent adaptations in resource-use traits explain how pikas thrive on the roof of the world. <i>Functional Ecology</i> , 2020, 34, 1826-1838.	1.7	8
175	Stasis of functionally versatile specialists. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1356-1377.	1.1	12
178	Singular patterns of skull shape and brain size change in the domestication of South American camelids. <i>Journal of Mammalogy</i> , 2021, 102, 220-235.	0.6	16
179	Soft tissue facial changes among adult females during alignment stage of orthodontic treatment: a 3D geometric morphometric study. <i>BMC Oral Health</i> , 2021, 21, 57.	0.8	5
180	Masticatory system integration in a commensal canid: interrelationships between bones, muscles and bite force in the red fox. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	7
181	Ecological opportunity and the rise and fall of crocodylomorph evolutionary innovation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210069.	1.2	33
182	On the Importance of Systematics to Archaeological Research: the Covariation of Typological Diversity and Morphological Disparity. <i>Journal of Paleolithic Archaeology</i> , 2021, 4, 1.	0.7	4
183	Accelerated Brain Shape Evolution Is Associated with Rapid Diversification in an Avian Radiation. <i>American Naturalist</i> , 2021, 197, 576-591.	1.0	13
184	The Concept of Morphoniche in Evolutionary Ecology. <i>Russian Journal of Ecology</i> , 2021, 52, 173-187.	0.3	3
185	Morphological diversity and disparity in trilobite cephalae and the evolution of trilobite enrolment throughout the Palaeozoic. <i>Lethaia</i> , 2021, 54, 752-761.	0.6	15

#	ARTICLE	IF	CITATIONS
186	Cranial Morphology of the Flat-Headed Bat <i>Myotis planiceps</i> (Chiroptera: Vespertilionidae) in the Context of American <i>Myotis</i> . <i>Acta Chiropterologica</i> , 2021, 23, .	0.2	1
187	Parallel Evolution of Allometric Trajectories of Trophic Morphology between Sympatric Morphs of Mesoamerican <i>Astyanax</i> (Characidae). <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8020.	1.3	3
188	Evaluating Sexual Dimorphism in the Ambrosia Beetle <i>Xyleborus affinis</i> (Coleoptera: Curculionidae) Using Geometric Morphometrics. <i>Florida Entomologist</i> , 2021, 104, .	0.2	0
189	Tooth morphology elucidates shark evolution across the end-Cretaceous mass extinction. <i>PLoS Biology</i> , 2021, 19, e3001108.	2.6	6
190	Multivariate analysis of morphology, behaviour, growth and developmental timing in hybrids brings new insights into the divergence of sympatric Arctic charr morphs. <i>Bmc Ecology and Evolution</i> , 2021, 21, 170.	0.7	5
191	Morphological Disparity. , 2021, , 965-976.		6
192	Morphological Disparity. , 2017, , 1-12.		28
193	Recurrent Patterns and Processes: The Significance of Ichnology in Evolutionary Paleocology. <i>Topics in Geobiology</i> , 2016, , 449-473.	0.6	10
194	The Cambrian Explosion. <i>Topics in Geobiology</i> , 2016, , 73-126.	0.6	37
197	Morphological innovation and biomechanical diversity in plunge-diving birds. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1514-1524.	1.1	12
198	Evolution of ecospace occupancy by Mesozoic marine tetrapods. <i>Palaeontology</i> , 2021, 64, 31-49.	1.0	20
199	Cranial Growth and Variation in Edmontosaurs (Dinosauria: Hadrosauridae): Implications for Latest Cretaceous Megaherbivore Diversity in North America. <i>PLoS ONE</i> , 2011, 6, e25186.	1.1	114
200	Disentangling and quantifying sources of otolith shape variation across multiple scales using a new hierarchical partitioning approach. <i>Marine Ecology - Progress Series</i> , 2015, 534, 163-177.	0.9	28
202	Ontogenetic disparity in early planktic foraminifers. <i>Journal of Micropalaeontology</i> , 2020, 39, 27-39.	1.3	8
203	Quantitative heterodonty in Crocodylia: assessing size and shape across modern and extinct taxa. <i>PeerJ</i> , 2019, 7, e6485.	0.9	24
204	Feeding ecology has shaped the evolution of modern sharks. <i>Current Biology</i> , 2021, 31, 5138-5148.e4.	1.8	12
205	8. The Role of Development in Evolutionary Radiations. , 2001, , 132-161.		3
206	Graduate Students Supervised. <i>Heterocycles</i> , 2006, 70, 25.	0.4	0

#	ARTICLE	IF	CITATIONS
207	Body Shape Variability of the Minnow <i>Phoxinus phoxinus</i> (Linnaeus, 1758) (Cyprinidae, Actinopterygii) in Large and Small Watercourses of the Sylva River Basin (the Middle Urals). <i>Povolzhskii Ekologicheskii Zhurnal</i> , 2019, , 143-158.	0.0	0
208	Southern higher-latitude lamniform sharks track mid-Cretaceous environmental change. <i>Gondwana Research</i> , 2021, 103, 362-362.	3.0	0
209	Body Shape Variability of the Minnow <i>Phoxinus phoxinus</i> (Linnaeus, 1758) (Cyprinidae, Actinopterygii) in Large and Small Watercourses of the Sylva River Basin (Middle Urals). <i>Biology Bulletin</i> , 2020, 47, 1285-1292.	0.1	2
210	Amphibian body size and species richness as a proxy for primary productivity and climate: The Orce wetlands (Early Pleistocene, Guadix-Baza Basin, SE Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 586, 110752.	1.0	9
211	Morphometric analyses of sexual dimorphism in sound-emitting structures in adults of the bess beetle <i>Vindex agnoscendus</i> (Coleoptera: Passalidae). <i>Zoology</i> , 2022, 151, 125992.	0.6	1
212	Morphological and Functional Divergence of the Lower Jaw Between Native and Invasive Red Foxes. <i>Journal of Mammalian Evolution</i> , 0, , 1.	1.0	1
213	Ovariectomized rat model and shape variation in the bony labyrinth. <i>Anatomical Record</i> , 2022, 305, 3283-3296.	0.8	1
214	Cambrian and Recent disparity: the picture from priapulids. <i>Paleobiology</i> , 1998, 24, 177-199.	1.3	101
215	Like parent, like child – Ontogenetic development of claws of intertidal arthropods (Acari, Oribatida) from different ecological niches. <i>Arthropod Structure and Development</i> , 2022, 67, 101143.	0.8	3
217	<scp>EcoPhyloMapper</scp>: An <scp>r</scp> package for integrating geographical ranges, phylogeny and morphology. <i>Methods in Ecology and Evolution</i> , 2022, 13, 1912-1922.	2.2	3
218	Morphologically Similar, but Regionally Distinct: Perdiz Arrow Points from Caddo Burial Contexts in the American Southeast. <i>Lithic Technology</i> , 2023, 48, 62-73.	0.4	2
219	Trait variation in a successful global invader: a large-scale analysis of morphological variance and integration in the brown trout. <i>Biological Invasions</i> , 0, , .	1.2	1
220	Decoupled Patterns of Diversity and Disparity Characterize an Ecologically Specialized Lineage of Neotropical Cricetids. <i>Evolutionary Biology</i> , 0, , .	0.5	0
221	Morphospace trends underlying a global turnover: Ecological dynamics of trilobite assemblages at the onset of the Ordovician Radiation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2023, 615, 111448.	1.0	5
223	Early diversification of avian limb morphology and the role of modularity in the locomotor evolution of crown birds. <i>Evolution; International Journal of Organic Evolution</i> , 2023, 77, 342-354.	1.1	4
224	Contrasting patterns of disparity suggest differing constraints on the evolution of trilobite cephalic structures during the Cambrian –explosion–. <i>Palaeontology</i> , 2023, 66, .	1.0	3
225	Ecomorphological datasets: comment on. <i>Lethaia</i> , 2023, 56, 1-5.	0.6	0
226	The locomotor ecomorphology of Mesozoic marine reptiles. <i>Palaeontology</i> , 2023, 66, .	1.0	1

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