Michael S Y Lee

List of Publications by Year
in descending order

135	7,386	38742 50	64796 79
papers	citations	h-index	g-index

137	137	137	6191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lions and brown bears colonized North America in multiple synchronous waves of dispersal across the Bering Land Bridge. Molecular Ecology, 2022, 31, 6407-6421.	3.9	15
2	The impact of molecular data on the phylogenetic position of the putative oldest crown crocodilian and the age of the clade. Biology Letters, 2022, 18, 20210603.	2.3	16
3	Evolution: Morphological saturation and release inÂmammals. Current Biology, 2021, 31, R838-R840.	3.9	0
4	Holocene population expansion of a tropical bee coincides with early human colonization of Fiji rather than climate change. Molecular Ecology, 2021, 30, 4005-4022.	3.9	11
5	Plicidentine and the repeated origins of snake venom fangs. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211391.	2.6	19
6	A late-surviving stem-ctenophore from the Late Devonian of Miguasha (Canada). Scientific Reports, 2021, 11, 19039.	3.3	2
7	Tetrapodophis amplectusis not a snake: re-assessment of the osteology, phylogeny and functional morphology of an Early Cretaceous dolichosaurid lizard. Journal of Systematic Palaeontology, 2021, 19, 893-952.	1.5	7
8	Redescription, taxonomy and phylogenetic relationships of Boavus Marsh, 1871 (Serpentes:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1601-1622.	1.5	1
9	The morphological diversity of the quadrate bone in squamate reptiles as revealed by highâ€resolution computed tomography and geometric morphometrics. Journal of Anatomy, 2020, 236, 210-227.	1.5	13
10	Cretaceous Blind Snake from Brazil Fills Major Gap in Snake Evolution. IScience, 2020, 23, 101834.	4.1	17
11	Elpistostege and the origin of the vertebrate hand. Nature, 2020, 579, 549-554.	27.8	46
12	Radiation of tropical island bees and the role of phylogenetic niche conservatism as an important driver of biodiversity. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200045.	2.6	16
13	Clock Models for Evolution of Discrete Phenotypic Characters. , 2020, , 101-113.		2
14	Geometric morphometrics, homology and cladistics: review and recommendations. Cladistics, 2019, 35, 230-242.	3.3	37
15	Novel vascular plexus in the head of a sea snake (Elapidae, Hydrophiinae) revealed by high-resolution computed tomography and histology. Royal Society Open Science, 2019, 6, 191099.	2.4	10
16	Heterochronic Shifts Mediate Ecomorphological Convergence in Skull Shape of Microcephalic Sea Snakes. Integrative and Comparative Biology, 2019, 59, 616-624.	2.0	23
17	A new scincid lizard from the Miocene of northern Australia, and the evolutionary history of social skinks (Scincidae: Egerniinae). Journal of Vertebrate Paleontology, 2019, 39, e1577873.	1.0	8
18	Trilobite evolutionary rates constrain the duration of the Cambrian explosion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4394-4399.	7.1	90

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19	New skulls and skeletons of the Cretaceous legged snake Najash , and the evolution of the modern snake body plan. Science Advances, 2019, 5, eaax5833.	10.3	42
20	The phylogenetic significance of the morphology of the syrinx, hyoid and larynx, of the southern cassowary, Casuarius casuarius (Aves, Palaeognathae). BMC Evolutionary Biology, 2019, 19, 233.	3.2	7
21	Palaeoecological inferences for the fossil Australian snakesYurlunggurandWonambi(Serpentes, Madtsoiidae). Royal Society Open Science, 2018, 5, 172012.	2.4	10
22	Comparisons between Cambrian LagerstÃtten assemblages using multivariate, parsimony and Bayesian methods. Gondwana Research, 2018, 55, 30-41.	6.0	24
23	Dynamic biogeographic models and dinosaur origins. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2018, 109, 325-332.	0.3	8
24	Evolution: Dampening the Cambrian Explosion. Current Biology, 2018, 28, R1353-R1355.	3.9	2
25	Tip-dating and homoplasy: reconciling the shallow molecular divergences of modern gharials with their long fossil record. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181071.	2.6	88
26	A mid-Cretaceous embryonic-to-neonate snake in amber from Myanmar. Science Advances, 2018, 4, eaat5042.	10.3	39
27	Bayesian Morphological Clock Methods Resurrect Placoderm Monophyly and Reveal Rapid Early Evolution in Jawed Vertebrates. Systematic Biology, 2017, 66, syw107.	5.6	68
28	Overcoming phylogenetic and geographic uncertainties to test for correlates of range size evolution in gymnophthalmid lizards. Ecography, 2017, 40, 764-773.	4.5	7
29	The affinities of Homo floresiensis based on phylogenetic analyses ofÂcranial, dental, and postcranial characters. Journal of Human Evolution, 2017, 107, 107-133.	2.6	89
30	The evolution of giant flightless birds and novel phylogenetic relationships for extinct fowl (Aves,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	65
31	The morphology of the inner ear of squamate reptiles and its bearing on the origin of snakes. Royal Society Open Science, 2017, 4, 170685.	2.4	39
32	Mountain colonisation, miniaturisation and ecological evolution in a radiation of direct-developing New Guinea Frogs (Choerophryne, Microhylidae). PeerJ, 2017, 5, e3077.	2.0	27
33	Osteology Supports a Stem-Galliform Affinity for the Giant Extinct Flightless Bird Sylviornis neocaledoniae (Sylviornithidae, Galloanseres). PLoS ONE, 2016, 11, e0150871.	2.5	42
34	Evaluating the drivers of Indoâ€Pacific biodiversity: speciation and dispersal of sea snakes (Elapidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.0	18
35	Patterns of postnatal ontogeny of the skull and lower jaw of snakes as revealed by microâ€<scp>CT</scp> scan data and threeâ€dimensional geometric morphometrics. Journal of Anatomy, 2016, 229, 723-754.	1.5	32
36	Multiple morphological clocks and total-evidence tip-dating in mammals. Biology Letters, 2016, 12, 20160033.	2.3	58

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37	Molecular clocks. Current Biology, 2016, 26, R399-R402.	3.9	19
38	Diversification rates and phenotypic evolution in venomous snakes (Elapidae). Royal Society Open Science, 2016, 3, 150277.	2.4	92
39	Aquatic adaptations in the four limbs of the snake-like reptile Tetrapodophis from the Lower Cretaceous of Brazil. Cretaceous Research, 2016, 66, 194-199.	1.4	20
40	Ancestral State Reconstruction, Rate Heterogeneity, and the Evolution of Reptile Viviparity. Systematic Biology, 2015, 64, 532-544.	5.6	87
41	Late Pleistocene Australian Marsupial DNA Clarifies the Affinities of Extinct Megafaunal Kangaroos and Wallabies. Molecular Biology and Evolution, 2015, 32, 574-584.	8.9	29
42	Epochâ€based likelihood models reveal no evidence for accelerated evolution of viviparity in squamate reptiles in response to cenozoic climate change. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 525-531.	1.3	6
43	Morphological Phylogenetics in the Genomic Age. Current Biology, 2015, 25, R922-R929.	3.9	151
44	Mammalian Evolution: A Jurassic Spark. Current Biology, 2015, 25, R759-R761.	3.9	13
45	Ancient DNA reveals elephant birds and kiwi are sister taxa and clarifies ratite bird evolution. Science, 2014, 344, 898-900.	12.6	247
46	Morphological Clocks in Paleontology, and a Mid-Cretaceous Origin of Crown Aves. Systematic Biology, 2014, 63, 442-449.	5.6	109
47	The ubiquitin system: an essential component to unlocking the secrets of malaria parasite biology. Molecular BioSystems, 2014, 10, 715-723.	2.9	26
48	Sustained miniaturization and anatomical innovation in the dinosaurian ancestors of birds. Science, 2014, 345, 562-566.	12.6	217
49	Crossing the line: increasing body size in a trans-Wallacean lizard radiation (Cyrtodactylus ,) Tj ETQq1 1 0.784314 rgBT /Overl	2.3	23
50	Ancient dates or accelerated rates? Morphological clocks and the antiquity of placental mammals. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141278.	2.6	103
51	Molecular Phylogeny, Biogeography, and Habitat Preference Evolution of Marsupials. Molecular Biology and Evolution, 2014, 31, 2322-2330.	8.9	189
52	Phylogeny and divergence times of Australian Sphenomorphus group skinks (Scincidae, Squamata). Molecular Phylogenetics and Evolution, 2013, 69, 906-918.	2.7	21
53	Turtle origins: insights from phylogenetic retrofitting and molecular scaffolds. Journal of Evolutionary Biology, 2013, 26, 2729-2738.	1.7	49
54	Rates of Phenotypic and Genomic Evolution during the Cambrian Explosion. Current Biology, 2013, 23, 1889-1895.	3.9	140

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55	Molecular evidence that the deadliest sea snake Enhydrina schistosa (Elapidae: Hydrophiinae) consists of two convergent species. Molecular Phylogenetics and Evolution, 2013, 66, 262-269.	2.7	21
56	Recent rapid speciation and ecomorph divergence in <scp>I</scp>ndoâ€<scp>A</scp>ustralian sea snakes. Molecular Ecology, 2013, 22, 2742-2759.	3.9	44
57	Multilocus phylogeny and recent rapid radiation of the viviparous sea snakes (Elapidae: Hydrophiinae). Molecular Phylogenetics and Evolution, 2013, 66, 575-591.	2.7	105
58	The Bony Labyrinth in Diprotodontian Marsupial Mammals: Diversity in Extant and Extinct Forms and Relationships with Size and Phylogeny. Journal of Mammalian Evolution, 2013, 20, 191-198.	1.8	25
59	Palaeontology: Turtles in Transition. Current Biology, 2013, 23, R513-R515.	3.9	6
60	The relationship between limb reduction, body elongation and geographical range in lizards (<scp>L</scp>erista,<scp> S</scp>cincidae). Journal of Biogeography, 2013, 40, 1290-1297.	3.0	26
61	Likelihood reinstates Archaeopteryx as a primitive bird. Biology Letters, 2012, 8, 299-303.	2.3	63
62	The Influence of Rate Heterogeneity among Sites on the Time Dependence of Molecular Rates. Molecular Biology and Evolution, 2012, 29, 3345-3358.	8.9	275
63	Tikiguania and the antiquity of squamate reptiles (lizards and snakes). Biology Letters, 2012, 8, 665-669.	2.3	34
64	Aipysurus mosaicus, a new species of egg-eating sea snake (Elapidae: Hydrophiinae), with a redescription of Aipysurus eydouxii (Gray, 1849). Zootaxa, 2012, 3431, 1.	0.5	9
65	Modern optics in exceptionally preserved eyes of Early Cambrian arthropods from Australia. Nature, 2011, 474, 631-634.	27.8	73
66	Acute vision in the giant Cambrian predator Anomalocaris and the origin of compound eyes. Nature, 2011, 480, 237-240.	27.8	152
67	Testing fossil calibrations for vertebrate molecular trees. Zoologica Scripta, 2011, 40, 538-543.	1.7	14
68	The Major Clades of Living Snakes. Reproductive Biology and Phylogeny Series, 2011, , 55-95.	1.1	21
69	An Overeating Profiling Self-report Questionnaire: phase I. Journal of Men's Health, 2010, 7, 373-379.	0.3	1
70	Plausibility of inferred ancestral phenotypes and the evaluation of alternative models of limb evolution in scincid lizards. Biology Letters, 2010, 6, 354-358.	2.3	13
71	Arthropod molecular divergence times and the Cambrian origin of pentastomids. Systematics and Biodiversity, 2010, 8, 63-74.	1.2	55
72	Cryptic diversity in vertebrates: molecular data double estimates of species diversity in a radiation of Australian lizards (Diplodactylus, Gekkota). Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2001-2007.	2.6	89

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73	Molecules, morphology, and ecology indicate a recent, amphibious ancestry for echidnas. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17089-17094.	7.1	126
74	Body-form Evolution in the Scincid Lizard Clade Lerista and the Mode of Macroevolutionary Transitions. Evolutionary Biology, 2009, 36, 292-300.	1.1	21
75	The bivalved arthropods Isoxys and Tuzoia with softâ€part preservation from the Lower Cambrian Emu Bay Shale LagerstÃtte (Kangaroo Island, Australia). Palaeontology, 2009, 52, 1221-1241.	2.2	63
76	Miocene skinks and geckos reveal long-term conservatism of New Zealand's lizard fauna. Biology Letters, 2009, 5, 833-837.	2.3	49
77	Molecular evidence for a rapid late-Miocene radiation of Australasian venomous snakes (Elapidae,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	60
78	AFFINITIES OF MIOCENE WATERFOWL (ANATIDAE: MANUHERIKIA, DUNSTANETTA AND MIOTADORNA) FROM THE ST BATHANS FAUNA, NEW ZEALAND. Palaeontology, 2008, 51, 677-708.	2.2	62
79	Rapid and repeated limb loss in a clade of scincid lizards. BMC Evolutionary Biology, 2008, 8, 310.	3.2	75
80	Calibration Choice, Rate Smoothing, and the Pattern of Tetrapod Diversification According to the Long Nuclear Gene RAG-1. Systematic Biology, 2007, 56, 543-563.	5.6	277
81	Phylogeny of snakes (Serpentes): Combining morphological and molecular data in likelihood, Bayesian and parsimony analyses. Systematics and Biodiversity, 2007, 5, 371-389.	1.2	73
82	Evaluating molecular clock calibrations using Bayesian analyses with soft and hard bounds. Biology Letters, 2007, 3, 275-279.	2.3	85
83	Morphological phylogenetics and the universe of useful characters. Taxon, 2006, 55, 5-7.	0.7	16
84	A primitive protostegid from Australia and early sea turtle evolution. Biology Letters, 2006, 2, 116-119.	2.3	76
85	An archaic crested plesiosaur in opal from the Lower Cretaceous high-latitude deposits of Australia. Biology Letters, 2006, 2, 615-619.	2.3	48
86	Model type, implicit data weighting, and model averaging in phylogenetics. Molecular Phylogenetics and Evolution, 2006, 38, 848-857.	2.7	10
87	Molecular clocks and the origin(s) of modern amphibians. Molecular Phylogenetics and Evolution, 2006, 40, 635-639.	2.7	18
88	Molecular phylogeny of Chromodoris (Mollusca, Nudibranchia) and the identification of a planar spawning clade. Molecular Phylogenetics and Evolution, 2005, 36, 722-727.	2.7	17
89	Point of View. Choosing reference taxa in phylogenetic nomenclature. Zoologica Scripta, 2005, 34, 329-331.	1.7	12
90	Molecular evidence and marine snake origins. Biology Letters, 2005, 1, 227-230.	2.3	55

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91	Phylogeny of Australasian venomous snakes (Colubroidea, Elapidae, Hydrophiinae) based on phenotypic and molecular evidence. Zoologica Scripta, 2004, 33, 335-366.	1.7	62
92	The origin of snakes (Serpentes) as seen through eye anatomy. Biological Journal of the Linnean Society, 2004, 81, 469-482.	1.6	55
93	REEVALUATION OF THE CRETACEOUS MARINE LIZARD ACTEOSAURUS CRASSICOSTATUS CALLIGARIS, 1993. Journal of Paleontology, 2004, 78, 617-619.	0.8	11
94	Molecular Claims of Gondwanan Age for Australian Agamid Lizards are Untenable. Molecular Biology and Evolution, 2004, 21, 2102-2110.	8.9	54
95	The molecularisation of taxonomy. Invertebrate Systematics, 2004, 18, 1.	1.3	83
96	Snake phylogeny based on osteology, soft anatomy and ecology. Biological Reviews, 2002, 77, 333-401.	10.4	158
97	Divergent evolution, hierarchy and cladistics. Zoologica Scripta, 2002, 31, 217-219.	1.7	6
98	Online database could end taxonomic anarchy. Nature, 2002, 417, 787-788.	27.8	21
99	Partitioned Bremer support and multiple trees. Cladistics, 2002, 18, 436-444.	3.3	36
100	Integration, individuality and species concepts. Biology and Philosophy, 2002, 17, 651-660.	1.4	14
101	On recent arguments for phylogenetic nomenclature. Taxon, 2001, 50, 175-180.	0.7	22
102	Live birth in Cretaceous marine lizards (mosasauroids). Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2397-2401.	2.6	54
103	On the Lower Jaw and Intramandibular Septum in Snakes and Anguimorph Lizards. Copeia, 2001, 2001, 531-535.	1.3	11
104	Uninformative Characters and Apparent Conflict Between Molecules and Morphology. Molecular Biology and Evolution, 2001, 18, 676-680.	8.9	115
105	Adriosaurus and the affinities of mosasaurs, dolichosaurs, and snakes. Journal of Paleontology, 2000, 74, 915-937.	0.8	52
106	Waiting for post-postmodernism. Mystery of Mysteries: Is Evolution a Social Construction? By Michael Ruse. Harvard University Press. 1999. xiii + 296 pp. ISBN 0-674-46706-X (hardback).. Journal of Evolutionary Biology, 2000, 13, 348-351.	1.7	2
107	The Pleistocene serpent Wonambi and the early evolution of snakes. Nature, 2000, 403, 416-420.	27.8	116
108	ADRIOSAURUSAND THE AFFINITIES OF MOSASAURS, DOLICHOSAURS, AND SNAKES. Journal of Paleontology, 2000, 74, 915-937.	0.8	106

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109	Snake Origins. Science, 2000, 288, 1343c-1345.	12.6	8
110	Species Names in Phylogenetic Nomenclature. Systematic Biology, 1999, 48, 790-807.	5.6	130
111	New developments in ontogeny and phylogeny. Journal of Evolutionary Biology, 1999, 12, 199-200.	1.7	0
112	Measuring Support for Phylogenies: The "Proportional Support Index". Cladistics, 1999, 15, 173-176.	3.3	5
113	The origin of snake feeding. Nature, 1999, 400, 655-659.	27.8	82
114	Money talks louder than research quality. Nature, 1999, 397, 13-13.	27.8	3
115	Reference taxa and phylogenetic nomenclature. Taxon, 1999, 48, 31-34.	0.7	15
116	Convergent evolution and character correlation in burrowing reptiles: towards a resolution of squamate relationships. Biological Journal of the Linnean Society, 1998, 65, 369-453.	1.6	259
117	Reptilian Viviparity and Dollo's Law. Evolution; International Journal of Organic Evolution, 1998, 52, 1441.	2.3	53
118	REPTILIAN VIVIPARITY AND DOLLO'S LAW. Evolution; International Journal of Organic Evolution, 1998, 52, 1441-1450.	2.3	64
119	The phylogeny of varanoid lizards and the affinities of snakes. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 53-91.	4.0	153
120	THE RELATIONSHIP BETWEEN EVOLUTIONARY THEORY AND PHYLOGENETIC ANALYSIS. Biological Reviews, 1997, 72, 471-495.	10.4	55
121	Pareiasaur phylogeny and the origin of turtles. Zoological Journal of the Linnean Society, 1997, 120, 197-280.	2.3	123
122	Reptile relationships turn turtleâƒ›. Nature, 1997, 389, 245-245.	27.8	69
123	A snake with legs from the marine Cretaceous of the Middle East. Nature, 1997, 386, 705-709.	27.8	170
124	The Extinction of Paleontology?. Science, 1997, 278, 1209-1213.	12.6	2
125	Point of View The phylogenetic approach to biological taxonomy: practical aspects. Zoologica Scripta, 1996, 25, 187-190.	1.7	33
126	Correlated progression and the origin of turtles. Nature, 1996, 379, 812-815.	27.8	87

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127	Species concepts and the recognition of ancestors. Historical Biology, 1995, 10, 329-339.	1.4	7
128	Historical Burden In Systematics And The Interrelationships Of â€˜Parareptilesâ€™. Biological Reviews, 1995, 70, 459-547.	10.4	200
129	The Call of Spirit: A Case Study in Phoenix Rising Yoga Therapy. International Journal of Yoga Therapy, 1994, 5, 34-36.	0.7	0
130	The ultrastructure of the spermatozoa of bufonid and hylid frogs (Anura, Amphibia): implications for phylogeny and fertilization biology. Zoologica Scripta, 1993, 22, 309-323.	1.7	42
131	The Ultrastructure of the Spermatozoa of Three Species of Myobatrachid Frogs (Anura, Amphibia) with Phylogenetic Considerations. Acta Zoologica, 1992, 73, 213-222.	0.8	31
132	Cambrian and Recent Morphological Disparity. Science, 1992, 258, 1816-1817.	12.6	3
133	The Overseas Development Institute And Its Publications. Journal of Modern African Studies, 1964, 2, 565-571.	0.6	3
134	Phylogeny of Australasian agamid lizards based on nuclear and mitochondrial genes: implications for morphological evolution and biogeography. Biological Journal of the Linnean Society, 0, 93, 343-358.	1.6	98
135	An exceptional partial skeleton of a new basal raptor (Aves: Accipitridae) from the late Oligocene Namba formation, South Australia. Historical Biology, 0, , 1-33.	1.4	2