Lee Hsiang Liow

List of Publications by Year in Descending Order

56 papers	2,431 citations	24 h-index	49 g-index
61 ext. papers	2,880 ext. citations	6.2 avg, IF	5.29 L-index

#	Paper	IF	Citations
56	Paleozoic origins of cheilostome bryozoans and their parental care inferred by a new genome-skimmed phylogeny.. *Science Advances*, **2022**, 8, eabm7452	14.3	2
55	A molecular phylogeny of historical and contemporary specimens of an under-studied micro-invertebrate group. *Ecology and Evolution*, **2021**, 11, 309-320	2.8	5
54	Response by Lee Hsiang Liow for the presentation of the 2020 Schuchert Award of the Paleontological Society. *Journal of Paleontology*, **2021**, 95, 1107-1108	1.1	
53	When fossil clades 'compete': local dominance, global diversification dynamics and causation. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20211632	4.4	3
52	Trait-fitness associations do not predict within-species phenotypic evolution over 2 million years. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20202047	4.4	2
51	Did hard substrate taxa diversify prior to the Great Ordovician Biodiversification Event?. *Palaeontology*, **2020**, 63, 675-687	2.9	4
50	New species of Adeonellopsis (Bryozoa: Adeonidae) from southern Zealandia and the western Tasman Sea. *Zootaxa*, **2020**, 4895, zootaxa.4895.3.1	0.5	
49	Sneaking up on enemies: alleviating inherent disadvantages in competitive outcomes in a nearly 3-million-year-old palaeocommunity from Florida, USA. *Lethaia*, **2020**, 53, 553-562	1.3	4
48	Text-mined fossil biodiversity dynamics using machine learning. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20190022	4.4	3
47	Dissecting the paleocontinental and paleoenvironmental dynamics of the great Ordovician biodiversification. *Paleobiology*, **2019**, 45, 221-234	2.6	15
46	Size, weapons, and armor as predictors of competitive outcomes in fossil and contemporary marine communities. *Ecological Monographs*, **2019**, 89, e01354	9	8
45	Cope's Rule in a modular organism: Directional evolution without an overarching macroevolutionary trend. *Evolution; International Journal of Organic Evolution*, **2019**, 73, 1863-1872	3.8	6
44	layeranalyzer: Inferring correlative and causal connections from time series data in r. *Methods in Ecology and Evolution*, **2019**, 10, 2183-2188	7.7	3
43	A genome-skimmed phylogeny of a widespread bryozoan family, Adeonidae. *BMC Evolutionary Biology*, **2019**, 19, 235	3	4
42	Bryozoan genera Fenestrulina and Microporella no longer confamilial; multi-gene phylogeny supports separation. *Zoological Journal of the Linnean Society*, **2019**, 186, 190-199	2.4	9
41	Model Adequacy and Microevolutionary Explanations for Stasis in the Fossil Record. *American Naturalist*, **2018**, 191, 509-523	3.7	21
40	Cryptic Species - More Than Terminological Chaos: A Reply to Heethoff. *Trends in Ecology and Evolution*, **2018**, 33, 310-312	10.9	14

39	Millions of Years Behind: Slow Adaptation of Ruminants to Grasslands. *Systematic Biology*, **2018**, 67, 145-157	8.4	15
38	Causality from palaeontological time series. *Palaeontology*, **2018**, 61, 495-509	2.9	17
37	Finding Evolutionary Processes Hidden in Cryptic Species. *Trends in Ecology and Evolution*, **2018**, 33, 153-163	16.9	188
36	Relative size predicts competitive outcome through 2 million years. *Ecology Letters*, **2017**, 20, 981-988	10	16
35	An unknown Phanerozoic driver of brachiopod extinction rates unveiled by multivariate linear stochastic differential equations. *Paleobiology*, **2017**, 43, 537-549	2.6	7
34	Common species link global ecosystems to climate change: dynamical evidence in the planktonic fossil record. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	19
33	Interspecific interactions through 2 million years: are competitive outcomes predictable?. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	16
32	How many dinosaur species were there? Fossil bias and true richness estimated using a Poisson sampling model. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371, 20150219	5.8	50
31	Diversification histories for North American and Eurasian carnivorans. *Biological Journal of the Linnean Society*, **2016**, 118, 26-38	1.9	14
30	Extinctions. Paleontological baselines for evaluating extinction risk in the modern oceans. *Science*, **2015**, 348, 567-70	33.3	79
29	A model for global diversity in response to temperature change over geological time scales, with reference to planktic organisms. *Journal of Theoretical Biology*, **2015**, 365, 445-56	2.3	8
28	Ecological interactions on macroevolutionary time scales: clams and brachiopods are more than ships that pass in the night. *Ecology Letters*, **2015**, 18, 1030-9	10	72
27	Marine extinction risk shaped by trait-environment interactions over 500 million years. *Global Change Biology*, **2015**, 21, 3595-607	11.4	25
26	The role of biotic forces in driving macroevolution: beyond the Red Queen. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20150186	4.4	64
25	A dynamic global equilibrium in carnivoran diversification over 20 million years. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20132312	4.4	46
24	Bayesian estimation of speciation and extinction from incomplete fossil occurrence data. *Systematic Biology*, **2014**, 63, 349-67	8.4	110
23	Looking forward through the past: identification of 50 priority research questions in palaeoecology. *Journal of Ecology*, **2014**, 102, 256-267	6	168
22	Simultaneous estimation of occupancy and detection probabilities: an illustration using Cincinnatian brachiopods. *Paleobiology*, **2013**, 39, 193-213	2.6	21

21	Extinctions in ancient and modern seas. *Trends in Ecology and Evolution*, **2012**, 27, 608-17	10.9	182
20	Long-term evolutionary and ecological responses of calcifying phytoplankton to changes in atmospheric CO2. *Global Change Biology*, **2012**, 18, 3504-3516	11.4	44
19	Red Queen: from populations to taxa and communities. *Trends in Ecology and Evolution*, **2011**, 26, 349-58	10.9	98
18	Pioneering paradigms and magnificent manifestos--Leigh Van Valen's priceless contributions to evolutionary biology. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 917-22	3.8	1
17	Estimating Rates and Probabilities of Origination and Extinction Using Taxonomic Occurrence Data: Capture-Mark-Recapture (CMR) Approaches. *The Paleontological Society Papers*, **2010**, 16, 81-94		26
16	Speciation and the Fossil Record **2010**,		2
15	When can decreasing diversification rates be detected with molecular phylogenies and the fossil record?. *Systematic Biology*, **2010**, 59, 646-59	8.4	85
14	Global occurrence trajectories of microfossils: environmental volatility and the rise and fall of individual species. *Paleobiology*, **2010**, 36, 224-252	2.6	48
13	Lower extinction risk in sleep-or-hide mammals. *American Naturalist*, **2009**, 173, 264-72	3.7	76
12	Are specialists at risk under environmental change? Neoecological, paleoecological and phylogenetic approaches. *Ecology Letters*, **2009**, 12, 849-63	10	211
11	Reply to Vilar et al.: Sleep or hide, better for survival anytime. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, E57-E57	11.5	1
10	Higher origination and extinction rates in larger mammals. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 6097-102	11.5	114
9	Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. *Global Ecology and Biogeography*, **2007**, 16, 117-128	6.1	40
8	Lineages with long durations are old and morphologically average: an analysis using multiple datasets. *Evolution; International Journal of Organic Evolution*, **2007**, 61, 885-901	3.8	24
7	The rise and fall of species: implications for macroevolutionary and macroecological studies. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 2745-52	4.4	110
6	Do deviants live longer? Morphology and longevity in trachyleberidid ostracodes. *Paleobiology*, **2006**, 32, 55-69	2.6	20
5	Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. *Global Ecology and Biogeography*, **2006**, 061120101210008-???	6.1	
4	Avian Extinctions from Tropical and Subtropical Forests. *Annual Review of Ecology, Evolution, and Systematics*, **2004**, 35, 323-345	13.5	167

3	A test of Simpson's "rule of the survival of the relatively unspecialized" using fossil crinoids. *American Naturalist*, **2004**, 164, 431-43	3.7	25
2	Bee diversity along a disturbance gradient in tropical lowland forests of south-east Asia. *Journal of Applied Ecology*, **2001**, 38, 180-192	5.8	118
1	Evolvability in the fossil record. *Paleobiology*,1-24	2.6	0