

# Lee Hsiang Liow

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Are specialists at risk under environmental change? Neoecological, paleoecological and phylogenetic approaches. <i>Ecology Letters</i> , <b>2009</b> , 12, 849-63	10	211
55	Finding Evolutionary Processes Hidden in Cryptic Species. <i>Trends in Ecology and Evolution</i> , <b>2018</b> , 33, 153-163	10.9	188
54	Extinctions in ancient and modern seas. <i>Trends in Ecology and Evolution</i> , <b>2012</b> , 27, 608-17	10.9	182
53	Looking forward through the past: identification of 50 priority research questions in palaeoecology. <i>Journal of Ecology</i> , <b>2014</b> , 102, 256-267	6	168
52	Avian Extinctions from Tropical and Subtropical Forests. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2004</b> , 35, 323-345	13.5	167
51	Bee diversity along a disturbance gradient in tropical lowland forests of south-east Asia. <i>Journal of Applied Ecology</i> , <b>2001</b> , 38, 180-192	5.8	118
50	Higher origination and extinction rates in larger mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6097-102	11.5	114
49	Bayesian estimation of speciation and extinction from incomplete fossil occurrence data. <i>Systematic Biology</i> , <b>2014</b> , 63, 349-67	8.4	110
48	The rise and fall of species: implications for macroevolutionary and macroecological studies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 2745-52	4.4	110
47	Red Queen: from populations to taxa and communities. <i>Trends in Ecology and Evolution</i> , <b>2011</b> , 26, 349-58	10.9	98
46	When can decreasing diversification rates be detected with molecular phylogenies and the fossil record?. <i>Systematic Biology</i> , <b>2010</b> , 59, 646-59	8.4	85
45	Extinctions. Paleontological baselines for evaluating extinction risk in the modern oceans. <i>Science</i> , <b>2015</b> , 348, 567-70	33.3	79
44	Lower extinction risk in sleep-or-hide mammals. <i>American Naturalist</i> , <b>2009</b> , 173, 264-72	3.7	76
43	Ecological interactions on macroevolutionary time scales: clams and brachiopods are more than ships that pass in the night. <i>Ecology Letters</i> , <b>2015</b> , 18, 1030-9	10	72
42	The role of biotic forces in driving macroevolution: beyond the Red Queen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20150186	4.4	64
41	How many dinosaur species were there? Fossil bias and true richness estimated using a Poisson sampling model. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371, 20150219	5.8	50
40	Global occurrence trajectories of microfossils: environmental volatility and the rise and fall of individual species. <i>Paleobiology</i> , <b>2010</b> , 36, 224-252	2.6	48

39	A dynamic global equilibrium in carnivoran diversification over 20 million years. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20132312	4.4	46
38	Long-term evolutionary and ecological responses of calcifying phytoplankton to changes in atmospheric CO <sub>2</sub> . <i>Global Change Biology</i> , <b>2012</b> , 18, 3504-3516	11.4	44
37	Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. <i>Global Ecology and Biogeography</i> , <b>2007</b> , 16, 117-128	6.1	40
36	Estimating Rates and Probabilities of Origination and Extinction Using Taxonomic Occurrence Data: Capture-Mark-Recapture (CMR) Approaches. <i>The Paleontological Society Papers</i> , <b>2010</b> , 16, 81-94		26
35	Marine extinction risk shaped by trait-environment interactions over 500-million years. <i>Global Change Biology</i> , <b>2015</b> , 21, 3595-607	11.4	25
34	A test of Simpson's "rule of the survival of the relatively unspecialized" using fossil crinoids. <i>American Naturalist</i> , <b>2004</b> , 164, 431-43	3.7	25
33	Lineages with long durations are old and morphologically average: an analysis using multiple datasets. <i>Evolution; International Journal of Organic Evolution</i> , <b>2007</b> , 61, 885-901	3.8	24
32	Model Adequacy and Microevolutionary Explanations for Stasis in the Fossil Record. <i>American Naturalist</i> , <b>2018</b> , 191, 509-523	3.7	21
31	Simultaneous estimation of occupancy and detection probabilities: an illustration using Cincinnati brachiopods. <i>Paleobiology</i> , <b>2013</b> , 39, 193-213	2.6	21
30	Do deviants live longer? Morphology and longevity in trachyleberidid ostracodes. <i>Paleobiology</i> , <b>2006</b> , 32, 55-69	2.6	20
29	Common species link global ecosystems to climate change: dynamical evidence in the planktonic fossil record. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 284,	4.4	19
28	Causality from palaeontological time series. <i>Palaeontology</i> , <b>2018</b> , 61, 495-509	2.9	17
27	Relative size predicts competitive outcome through 2 million years. <i>Ecology Letters</i> , <b>2017</b> , 20, 981-988	10	16
26	Interspecific interactions through 2 million years: are competitive outcomes predictable?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	16
25	Dissecting the paleocontinental and paleoenvironmental dynamics of the great Ordovician biodiversification. <i>Paleobiology</i> , <b>2019</b> , 45, 221-234	2.6	15
24	Millions of Years Behind: Slow Adaptation of Ruminants to Grasslands. <i>Systematic Biology</i> , <b>2018</b> , 67, 1458-1477	8.57	15
23	Cryptic Species - More Than Terminological Chaos: A Reply to Heethoff. <i>Trends in Ecology and Evolution</i> , <b>2018</b> , 33, 310-312	10.9	14
22	Diversification histories for North American and Eurasian carnivorans. <i>Biological Journal of the Linnean Society</i> , <b>2016</b> , 118, 26-38	1.9	14

21	Bryozoan genera Fenestulina and Microporella no longer confamilial; multi-gene phylogeny supports separation. <i>Zoological Journal of the Linnean Society</i> , <b>2019</b> , 186, 190-199	2.4	9
20	Size, weapons, and armor as predictors of competitive outcomes in fossil and contemporary marine communities. <i>Ecological Monographs</i> , <b>2019</b> , 89, e01354	9	8
19	A model for global diversity in response to temperature change over geological time scales, with reference to planktic organisms. <i>Journal of Theoretical Biology</i> , <b>2015</b> , 365, 445-56	2.3	8
18	An unknown Phanerozoic driver of brachiopod extinction rates unveiled by multivariate linear stochastic differential equations. <i>Paleobiology</i> , <b>2017</b> , 43, 537-549	2.6	7
17	Cope's Rule in a modular organism: Directional evolution without an overarching macroevolutionary trend. <i>Evolution; International Journal of Organic Evolution</i> , <b>2019</b> , 73, 1863-1872	3.8	6
16	A molecular phylogeny of historical and contemporary specimens of an under-studied micro-invertebrate group. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 309-320	2.8	5
15	Did hard substrate taxa diversify prior to the Great Ordovician Biodiversification Event?. <i>Palaeontology</i> , <b>2020</b> , 63, 675-687	2.9	4
14	A genome-skimmed phylogeny of a widespread bryozoan family, Adeonidae. <i>BMC Evolutionary Biology</i> , <b>2019</b> , 19, 235	3	4
13	Sneaking up on enemies—alleviating inherent disadvantages in competitive outcomes in a nearly 3-million-year-old palaeocommunity from Florida, USA. <i>Lethaia</i> , <b>2020</b> , 53, 553-562	1.3	4
12	Text-mined fossil biodiversity dynamics using machine learning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20190022	4.4	3
11	layeranalyzer: Inferring correlative and causal connections from time series data in r. <i>Methods in Ecology and Evolution</i> , <b>2019</b> , 10, 2183-2188	7.7	3
10	When fossil clades 'compete': local dominance, global diversification dynamics and causation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20211632	4.4	3
9	Speciation and the Fossil Record <b>2010</b> ,		2
8	Trait-fitness associations do not predict within-species phenotypic evolution over 2 million years. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20202047	4.4	2
7	Paleozoic origins of cheilostome bryozoans and their parental care inferred by a new genome-skimmed phylogeny.. <i>Science Advances</i> , <b>2022</b> , 8, eabm7452	14.3	2
6	Pioneering paradigms and magnificent manifestos—Leigh Van Valen's priceless contributions to evolutionary biology. <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 917-22	3.8	1
5	Reply to Vilar et al.: Sleep or hide, better for survival anytime. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, E57-E57	11.5	1
4	Evolvability in the fossil record. <i>Paleobiology</i> , 1-24	2.6	0

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| 3 | Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. <i>Global Ecology and Biogeography</i> , <b>2006</b> , 061120101210008-??? | 6.1 |
| 2 | New species of <i>Adeonellopsis</i> (Bryozoa: Adeonidae) from southern Zealandia and the western Tasman Sea. <i>Zootaxa</i> , <b>2020</b> , 4895, zootaxa.4895.3.1   | 0.5 |
| 1 | Response by Lee Hsiang Liow for the presentation of the 2020 Schuchert Award of the Paleontological Society. <i>Journal of Paleontology</i> , <b>2021</b> , 95, 1107-1108                                    | 1.1 |