

# Lee Hsiang Liow

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

3,234  
citations

236912

25  
h-index

161844

54  
g-index

61  
all docs

61  
docs citations

61  
times ranked

5005  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finding Evolutionary Processes Hidden in Cryptic Species. <i>Trends in Ecology and Evolution</i> , 2018, 33, 153-163.	8.7	340
2	Are specialists at risk under environmental change? Neoecological, paleoecological and phylogenetic approaches. <i>Ecology Letters</i> , 2009, 12, 849-863.	6.4	289
3	Extinctions in ancient and modern seas. <i>Trends in Ecology and Evolution</i> , 2012, 27, 608-617.	8.7	221
4	Looking forward through the past: identification of 50 priority research questions in palaeoecology. <i>Journal of Ecology</i> , 2014, 102, 256-267.	4.0	212
5	Avian Extinctions from Tropical and Subtropical Forests. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2004, 35, 323-345.	8.3	193
6	Bayesian Estimation of Speciation and Extinction from Incomplete Fossil Occurrence Data. <i>Systematic Biology</i> , 2014, 63, 349-367.	5.6	157
7	Bee diversity along a disturbance gradient in tropical lowland forests of south-east Asia. <i>Journal of Applied Ecology</i> , 2001, 38, 180-192.	4.0	153
8	Higher origination and extinction rates in larger mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6097-6102.	7.1	135
9	The rise and fall of species: implications for macroevolutionary and macroecological studies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2745-2752.	2.6	122
10	Red Queen: from populations to taxa and communities. <i>Trends in Ecology and Evolution</i> , 2011, 26, 349-358.	8.7	119
11	Paleontological baselines for evaluating extinction risk in the modern oceans. <i>Science</i> , 2015, 348, 567-570.	12.6	111
12	When Can Decreasing Diversification Rates Be Detected with Molecular Phylogenies and the Fossil Record?. <i>Systematic Biology</i> , 2010, 59, 646-659.	5.6	101
13	Ecological interactions on macroevolutionary time scales: clams and brachiopods are more than ships that pass in the night. <i>Ecology Letters</i> , 2015, 18, 1030-1039.	6.4	100
14	Lower Extinction Risk in Sleep-Dependent Mammals. <i>American Naturalist</i> , 2009, 173, 264-272.	2.1	93
15	The role of biotic forces in driving macroevolution: beyond the Red Queen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150186.	2.6	81
16	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> , 2016, 371, 20150219.	4.0	60
17	Global occurrence trajectories of microfossils: environmental volatility and the rise and fall of individual species. <i>Paleobiology</i> , 2010, 36, 224-252.	2.0	57
18	Long-term evolutionary and ecological responses of calcifying phytoplankton to changes in atmospheric $CO_2$ . <i>Global Change Biology</i> , 2012, 18, 3504-3516.	9.5	53

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19	A dynamic global equilibrium in carnivoran diversification over 20 million years. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132312.	2.6	47
20	Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. <i>Global Ecology and Biogeography</i> , 2007, 16, 117-128.	5.8	45
21	Millions of Years Behind: Slow Adaptation of Ruminants to Grasslands. <i>Systematic Biology</i> , 2018, 67, 145-157.	5.6	36
22	Estimating Rates and Probabilities of Origination and Extinction Using Taxonomic Occurrence Data: Capture-Mark-Recapture (CMR) Approaches. <i>The Paleontological Society Papers</i> , 2010, 16, 81-94.	0.6	34
23	LINEAGES WITH LONG DURATIONS ARE OLD AND MORPHOLOGICALLY AVERAGE: AN ANALYSIS USING MULTIPLE DATASETS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 885-901.	2.3	31
24	Marine extinction risk shaped by trait-environment interactions over 500 million years. <i>Global Change Biology</i> , 2015, 21, 3595-3607.	9.5	31
25	A Test of Simpson's "Rule of the Survival of the Relatively Unspecialized" Using Fossil Crinoids. <i>American Naturalist</i> , 2004, 164, 431-443.	2.1	29
26	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> , 2017, 284, 20170722.	2.6	28
27	Simultaneous estimation of occupancy and detection probabilities: an illustration using Cincinnatian brachiopods. <i>Paleobiology</i> , 2013, 39, 193-213.	2.0	27
28	Model Adequacy and Microevolutionary Explanations for Stasis in the Fossil Record. <i>American Naturalist</i> , 2018, 191, 509-523.	2.1	27
29	Causality from palaeontological time series. <i>Palaeontology</i> , 2018, 61, 495-509.	2.2	24
30	Do deviants live longer? Morphology and longevity in trachyleberidid ostracodes. <i>Paleobiology</i> , 2006, 32, 55-69.	2.0	21
31	Interspecific interactions through 2 million years: are competitive outcomes predictable?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160981.	2.6	20
32	Relative size predicts competitive outcome through 2 million years. <i>Ecology Letters</i> , 2017, 20, 981-988.	6.4	20
33	Cryptic Species " More Than Terminological Chaos: A Reply to Heethoff. <i>Trends in Ecology and Evolution</i> , 2018, 33, 310-312.	8.7	20
34	Dissecting the paleocontinental and paleoenvironmental dynamics of the great Ordovician biodiversification. <i>Paleobiology</i> , 2019, 45, 221-234.	2.0	19
35	Paleozoic origins of cheilostome bryozoans and their parental care inferred by a new genome-skimmed phylogeny. <i>Science Advances</i> , 2022, 8, eabm7452.	10.3	19
36	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> , 2015, 365, 445-456.	1.7	16

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37	Cope's Rule in a modular organism: Directional evolution without an overarching macroevolutionary trend. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1863-1872.	2.3	15
38	Evolvability in the fossil record. <i>Paleobiology</i> , 2022, 48, 186-209.	2.0	15
39	Diversification histories for North American and Eurasian carnivorans. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 26-38.	1.6	14
40	Size, weapons, and armor as predictors of competitive outcomes in fossil and contemporary marine communities. <i>Ecological Monographs</i> , 2019, 89, e01354.	5.4	13
41	Bryozoan genera <i>Fenestulina</i> and <i>Microporella</i> no longer confamilial; multi-gene phylogeny supports separation. <i>Zoological Journal of the Linnean Society</i> , 2019, 186, 190-199.	2.3	13
42	An unknown Phanerozoic driver of brachiopod extinction rates unveiled by multivariate linear stochastic differential equations. <i>Paleobiology</i> , 2017, 43, 537-549.	2.0	9
43	Text-mined fossil biodiversity dynamics using machine learning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190022.	2.6	9
44	Did hard substrate taxa diversify prior to the Great Ordovician Biodiversification Event?. <i>Palaeontology</i> , 2020, 63, 675-687.	2.2	8
45	When fossil clades "compete": local dominance, global diversification dynamics and causation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211632.	2.6	8
46	A genome-skimmed phylogeny of a widespread bryozoan family, Adeonidae. <i>BMC Evolutionary Biology</i> , 2019, 19, 235.	3.2	7
47	Trait "fitness associations do not predict within-species phenotypic evolution over 2 million years. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202047.	2.6	7
48	layeranalyzer: Inferring correlative and causal connections from time series data inr. <i>Methods in Ecology and Evolution</i> , 2019, 10, 2183-2188.	5.2	6
49	A molecular phylogeny of historical and contemporary specimens of an understudied microinvertebrate group. <i>Ecology and Evolution</i> , 2021, 11, 309-320.	1.9	6
50	Sneaking up on "enemies": alleviating inherent disadvantages in competitive outcomes in a nearly 3-million-year-old palaeocommunity from Florida, USA. <i>Lethaia</i> , 2020, 53, 553-562.	1.4	4
51	PIONEERING PARADIGMS AND MAGNIFICENT MANIFESTOS-LEIGH VAN VALEN'S PRICELESS CONTRIBUTIONS TO EVOLUTIONARY BIOLOGY. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 917-922.	2.3	2
52	Relative species abundance and population densities of the past: developing multispecies occupancy models for fossil data. <i>Paleobiology</i> , 2023, 49, 23-38.	2.0	2
53	Reply to Vilar <i>et al.</i> : Sleep or hide, better for survival anytime. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, .	7.1	1
54	Ten years of <i>Methods in Ecology and Evolution</i> . <i>Methods in Ecology and Evolution</i> , 2020, 11, 4-5.	5.2	1

#	ARTICLE	IF	CITATIONS
55	Response by Lee Hsiang Liow for the presentation of the 2020 Schuchert Award of the Paleontological Society. <i>Journal of Paleontology</i> , 2021, 95, 1107-1108.	0.8	0
56	Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. <i>Global Ecology and Biogeography</i> , 2006, .	5.8	0
57	<strong>New species of <i>Adeonellopsis</i> (Bryozoa: Adeonidae) from southern Zealandia and the western Tasman Sea</strong> . <i>Zootaxa</i> , 2020, 4895, 301-331.	0.5	0