Lee Hsiang Liow

List of Publications by Year
in descending order

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Version: 2024-02-01

57 papers	3,234 citations	236925 25 h-index	161849 54 g-index
61 all docs	61 docs citations	61 times ranked	5005 citing authors

#	Article	IF	Citations
1	Relative species abundance and population densities of the past: developing multispecies occupancy models for fossil data. Paleobiology, 2023, 49, 23-38.	2.0	2
2	Evolvability in the fossil record. Paleobiology, 2022, 48, 186-209.	2.0	15
3	Paleozoic origins of cheilostome bryozoans and their parental care inferred by a new genome-skimmed phylogeny. Science Advances, 2022, 8, eabm7452.	10.3	19
4	A molecular phylogeny of historical and contemporary specimens of an underâ€studied microâ€invertebrate group. Ecology and Evolution, 2021, 11, 309-320.	1.9	6
5	Response by Lee Hsiang Liow for the presentation of the 2020 Schuchert Award of the Paleontological Society. Journal of Paleontology, 2021, 95, 1107-1108.	0.8	0
6	When fossil clades â€˜competeâ€™: local dominance, global diversification dynamics and causation. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211632.	2.6	8
7	Traitâ€“fitness associations do not predict within-species phenotypic evolution over 2 million years. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202047.	2.6	7
8	Ten years of Methods in Ecology and Evolution. Methods in Ecology and Evolution, 2020, 11, 4-5.	5.2	1
9	Did hard substrate taxa diversify prior to the Great Ordovician Biodiversification Event?. Palaeontology, 2020, 63, 675-687.	2.2	8
10	Sneaking up on â€˜enemiesâ€™: alleviating inherent disadvantages in competitive outcomes in a nearly 3â€million‐yearâ€old palaeocommunity from Florida, USA. Lethaia, 2020, 53, 553-562.	1.4	4
11	New species of Adeonellopsis (Bryozoa: Adeonidae) from southern Zealandia and the western Tasman Sea. Zootaxa, 2020, 4895, 301-331.	0.5	0
12	Cope's Rule in a modular organism: Directional evolution without an overarching macroevolutionary trend. Evolution; International Journal of Organic Evolution, 2019, 73, 1863-1872.	2.3	15
13	layeranalyzer: Inferring correlative and causal connections from time series data inr. Methods in Ecology and Evolution, 2019, 10, 2183-2188.	5.2	6
14	Text-mined fossil biodiversity dynamics using machine learning. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190022.	2.6	9
15	Dissecting the paleocontinental and paleoenvironmental dynamics of the great Ordovician biodiversification. Paleobiology, 2019, 45, 221-234.	2.0	19
16	Size, weapons, and armor as predictors of competitive outcomes in fossil and contemporary marine communities. Ecological Monographs, 2019, 89, e01354.	5.4	13
17	A genome-skimmed phylogeny of a widespread bryozoan family, Adeonidae. BMC Evolutionary Biology, 2019, 19, 235.	3.2	7
18	Bryozoan genera Fenestrulina and Microporella no longer confamilial; multi-gene phylogeny supports separation. Zoological Journal of the Linnean Society, 2019, 186, 190-199.	2.3	13

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19	Model Adequacy and Microevolutionary Explanations for Stasis in the Fossil Record. American Naturalist, 2018, 191, 509-523.	2.1	27
20	Cryptic Species â€“ More Than Terminological Chaos: A Reply to Heethoff. Trends in Ecology and Evolution, 2018, 33, 310-312.	8.7	20
21	Millions of Years Behind: Slow Adaptation of Ruminants to Grasslands. Systematic Biology, 2018, 67, 145-157.	5.6	36
22	Finding Evolutionary Processes Hidden in Cryptic Species. Trends in Ecology and Evolution, 2018, 33, 153-163.	8.7	340
23	Causality from palaeontological time series. Palaeontology, 2018, 61, 495-509.	2.2	24
24	Relative size predicts competitive outcome through 2 million years. Ecology Letters, 2017, 20, 981-988.	6.4	20
25	An unknown Phanerozoic driver of brachiopod extinction rates unveiled by multivariate linear stochastic differential equations. Paleobiology, 2017, 43, 537-549.	2.0	9
26	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, 20170722.	2.6	28
27	Diversification histories for North American and Eurasian carnivorans. Biological Journal of the Linnean Society, 2016, 118, 26-38.	1.6	14
28	Interspecific interactions through 2 million years: are competitive outcomes predictable?. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160981.	2.6	20
29	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.	4.0	60
30	Ecological interactions on macroevolutionary time scales: clams and brachiopods are more than ships that pass in the night. Ecology Letters, 2015, 18, 1030-1039.	6.4	100
31	Marine extinction risk shaped by traitâ€“environment interactions over 500Âmillion years. Global Change Biology, 2015, 21, 3595-3607.	9.5	31
32	The role of biotic forces in driving macroevolution: beyond the Red Queen. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150186.	2.6	81
33	Paleontological baselines for evaluating extinction risk in the modern oceans. Science, 2015, 348, 567-570.	12.6	111
34	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, 445-456.	1.7	16
35	Looking forward through the past: identification of 50 priority research questions in palaeoecology. Journal of Ecology, 2014, 102, 256-267.	4.0	212
36	A dynamic global equilibrium in carnivoran diversification over 20 million years. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132312.	2.6	47

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37	Bayesian Estimation of Speciation and Extinction from Incomplete Fossil Occurrence Data. Systematic Biology, 2014, 63, 349-367.	5.6	157
38	Simultaneous estimation of occupancy and detection probabilities: an illustration using Cincinnatian brachiopods. Paleobiology, 2013, 39, 193-213.	2.0	27
39	Extinctions in ancient and modern seas. Trends in Ecology and Evolution, 2012, 27, 608-617.	8.7	221
40	Longâ€term evolutionary and ecological responses of calcifying phytoplankton to changes in atmospheric <scp><scp>CO</scp></scp>₂. Global Change Biology, 2012, 18, 3504-3516.	9.5	53
41	Red Queen: from populations to taxa and communities. Trends in Ecology and Evolution, 2011, 26, 349-358.	8.7	119
42	PIONEERING PARADIGMS AND MAGNIFICENT MANIFESTOS-LEIGH VAN VALEN'S PRICELESS CONTRIBUTIONS TO EVOLUTIONARY BIOLOGY. Evolution; International Journal of Organic Evolution, 2011, 65, 917-922.	2.3	2
43	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.	0.6	34
44	When Can Decreasing Diversification Rates Be Detected with Molecular Phylogenies and the Fossil Record?. Systematic Biology, 2010, 59, 646-659.	5.6	101
45	Global occurrence trajectories of microfossils: environmental volatility and the rise and fall of individual species. Paleobiology, 2010, 36, 224-252.	2.0	57
46	Lower Extinction Risk in Sleepâ€orâ€Hide Mammals. American Naturalist, 2009, 173, 264-272.	2.1	93
47	Are specialists at risk under environmental change? Neoecological, paleoecological and phylogenetic approaches. Ecology Letters, 2009, 12, 849-863.	6.4	289
48	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, .	7.1	1
49	Higher origination and extinction rates in larger mammals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6097-6102.	7.1	135
50	The rise and fall of species: implications for macroevolutionary and macroecological studies. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2745-2752.	2.6	122
51	Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. Global Ecology and Biogeography, 2007, 16, 117-128.	5.8	45
52	LINEAGES WITH LONG DURATIONS ARE OLD AND MORPHOLOGICALLY AVERAGE: AN ANALYSIS USING MULTIPLE DATASETS. Evolution; International Journal of Organic Evolution, 2007, 61, 885-901.	2.3	31
53	Do deviants live longer? Morphology and longevity in trachyleberidid ostracodes. Paleobiology, 2006, 32, 55-69.	2.0	21
54	Does versatility as measured by geographic range, bathymetric range and morphological variability contribute to taxon longevity?. Global Ecology and Biogeography, 2006, .	5.8	0

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55	Avian Extinctions from Tropical and Subtropical Forests. Annual Review of Ecology, Evolution, and Systematics, 2004, 35, 323-345.	8.3	193
56	A Test of Simpsonâ€™s â€œRule of the Survival of the Relatively Unspecializedâ€•Using Fossil Crinoids. American Naturalist, 2004, 164, 431-443.	2.1	29
57	Bee diversity along a disturbance gradient in tropical lowland forests of south-east Asia. Journal of Applied Ecology, 2001, 38, 180-192.	4.0	153