

Luke Mander

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

920
citations

516710

16
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased fire activity at the Triassic/Jurassic boundary in Greenland due to climate-driven floral change. <i>Nature Geoscience</i> , 2010, 3, 426-429.	12.9	156
2	An explanation for conflicting records of Triassic–Jurassic plant diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15351-15356.	7.1	86
3	Palaeoecology of the Late Triassic extinction event in the SW UK. <i>Journal of the Geological Society</i> , 2008, 165, 319-332.	2.1	81
4	Classification of grass pollen through the quantitative analysis of surface ornamentation and texture. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131905.	2.6	69
5	Comparative performance of airyscan and structured illumination superresolution microscopy in the study of the surface texture and 3D shape of pollen. <i>Microscopy Research and Technique</i> , 2018, 81, 101-114.	2.2	64
6	Capturing the Surface Texture and Shape of Pollen: A Comparison of Microscopy Techniques. <i>PLoS ONE</i> , 2012, 7, e39129.	2.5	57
7	Palynostratigraphy and vegetation history of the Triassic–Jurassic transition in East Greenland. <i>Journal of the Geological Society</i> , 2013, 170, 37-46.	2.1	57
8	On the Taxonomic Resolution of Pollen and Spore Records of Earth's Vegetation. <i>International Journal of Plant Sciences</i> , 2014, 175, 931-945.	1.3	50
9	Aberrant <i>Classopollis</i> pollen reveals evidence for unreduced (2n) pollen in the conifer family Cheirolepidiaceae during the Triassic–Jurassic transition. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131708.	2.6	42
10	A morphometric analysis of vegetation patterns in dryland ecosystems. <i>Royal Society Open Science</i> , 2017, 4, 160443.	2.4	30
11	QUALITY OF THE TRIASSIC–JURASSIC BIVALVE FOSSIL RECORD IN NORTHWEST EUROPE. <i>Palaeontology</i> , 2008, 51, 1213-1223.	2.2	29
12	The Ultrastructure and Botanical Affinity of the Problematic Mid-Mesozoic Palynomorph <i>Ricciisporites tuberculatus</i> Lundblad. <i>International Journal of Plant Sciences</i> , 2012, 173, 429-440.	1.3	26
13	Taxonomic resolution of the Triassic–Jurassic sporomorph record in East Greenland. <i>Journal of Micropalaeontology</i> , 2011, 30, 107-118.	3.6	24
14	A gymnosperm affinity for <i>Ricciisporites tuberculatus</i> Lundblad: implications for vegetation and environmental reconstructions in the Late Triassic. <i>Palaeobiodiversity and Palaeoenvironments</i> , 2014, 94, 295-305.	1.5	19
15	Reproductive innovations and pulsed rise in plant complexity. <i>Science</i> , 2021, 373, 1368-1372.	12.6	17
16	Evidence for coal forest refugia in the seasonally dry Pennsylvanian tropical lowlands of the Illinois Basin, USA. <i>PeerJ</i> , 2014, 2, e630.	2.0	17
17	Accuracy and consistency of grass pollen identification by human analysts using electron micrographs of surface ornamentation. <i>Applications in Plant Sciences</i> , 2014, 2, 1400031.	2.1	16
18	Grass pollen surface ornamentation: a review of morphotypes and taxonomic utility. <i>Journal of Micropalaeontology</i> , 2016, 35, 121-124.	3.6	16

#	ARTICLE	IF	CITATIONS
19	Tracking Taphonomic Regimes Using Chemical and Mechanical Damage of Pollen and Spores: An Example from the Triassic–Jurassic Mass Extinction. PLoS ONE, 2012, 7, e49153.	2.5	16
20	A combinatorial approach to angiosperm pollen morphology. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20162033.	2.6	12
21	Fossil Pollen and Spores in Paleoecology. Vertebrate Paleobiology and Paleoanthropology, 2018, , 215-234.	0.5	8
22	The Geometry of Large Tundra Lakes Observed in Historical Maps and Satellite Images. Remote Sensing, 2017, 9, 1072.	4.0	7
23	Measuring Biodiversity and Extinction—Present and Past. Integrative and Comparative Biology, 2018, 58, 1111-1117.	2.0	7
24	Phylogenetic and ecological correlates of pollen morphological diversity in a Neotropical rainforest. Biotropica, 2021, 53, 74-85.	1.6	7
25	The Latitudinal Distribution of Morphological Diversity among Holocene Angiosperm Pollen Grains from Eastern North America and the Neotropics. Integrative and Comparative Biology, 2018, 58, 1170-1178.	2.0	4
26	Geometric and topological approaches to shape variation in <i>Ginkgo</i> leaves. Royal Society Open Science, 2021, 8, 210978.	2.4	2
27	THE EVOLUTION OF COMPLEXITY IN VASCULAR PLANT REPRODUCTIVE STRUCTURES. , 2020, , .		1