

Jussi Eronen

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

3,205
citations

159585

30
h-index

155660

55
g-index

75
all docs

75
docs citations

75
times ranked

4015
citing authors

#	ARTICLE	IF	CITATIONS
1	Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems. <i>Science</i> , 2017, 355, .	12.6	260
2	Late Miocene and Pliocene large land mammals and climatic changes in Eurasia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 238, 219-227.	2.3	225
3	Strengthened East Asian summer monsoons during a period of high-latitude warmth? Isotopic evidence from Mio-Pliocene fossil mammals and soil carbonates from northern China. <i>Earth and Planetary Science Letters</i> , 2009, 277, 443-452.	4.4	161
4	Distribution history and climatic controls of the Late Miocene Pikermian chronofauna. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11867-11871.	7.1	156
5	Holocene shifts in the assembly of plant and animal communities implicate human impacts. <i>Nature</i> , 2016, 529, 80-83.	27.8	147
6	Diversity in time and space: wanted dead and alive. <i>Trends in Ecology and Evolution</i> , 2013, 28, 509-516.	8.7	128
7	The Mio-Pliocene European primate fossil record: dynamics and habitat tracking. <i>Journal of Human Evolution</i> , 2004, 47, 323-341.	2.6	108
8	Neogene aridification of the Northern Hemisphere. <i>Geology</i> , 2012, 40, 823-826.	4.4	104
9	Decoupling for ecological sustainability: A categorisation and review of research literature. <i>Environmental Science and Policy</i> , 2020, 112, 236-244.	4.9	104
10	Asynchronous responses of East Asian and Indian summer monsoons to mountain uplift shown by regional climate modelling experiments. <i>Climate Dynamics</i> , 2013, 40, 1531-1549.	3.8	95
11	Evolution of Neogene Mammals in Eurasia: Environmental Forcing and Biotic Interactions. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 579-604.	11.0	91
12	Biogeography of European land mammals shows environmentally distinct and spatially coherent clusters. <i>Journal of Biogeography</i> , 2007, 34, 1053-1064.	3.0	88
13	Productivity, biodiversity, and pathogens influence the global hunter-gatherer population density. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1232-1237.	7.1	86
14	Ecometrics: The traits that bind the past and present together. <i>Integrative Zoology</i> , 2010, 5, 88-101.	2.6	83
15	History matters: ecometrics and integrative climate change biology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1131-1140.	2.6	81
16	Significant mid-latitude aridity in the middle Miocene of East Asia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 279, 201-206.	2.3	80
17	The Late Miocene climate response to a modern Sahara desert. <i>Global and Planetary Change</i> , 2009, 67, 193-204.	3.5	68
18	The rise and fall of the Old World savannah fauna and the origins of the African savannah biome. <i>Nature Ecology and Evolution</i> , 2018, 2, 241-246.	7.8	67

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19	Analysis of heat transport mechanisms from a Late Miocene model experiment with a fully-coupled atmosphere-ocean general circulation model. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 304, 337-350.	2.3	65
20	Dental functional traits of mammals resolve productivity in terrestrial ecosystems past and present. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2793-2799.	2.6	64
21	A framework for evaluating the influence of climate, dispersal limitation, and biotic interactions using fossil pollen associations across the late Quaternary. <i>Ecography</i> , 2014, 37, 1095-1108.	4.5	57
22	Introducing the Scientific Consensus on Maintaining Humanity's Life Support Systems in the 21st Century: Information for Policy Makers. <i>Infrastructure Asset Management</i> , 2014, 1, 78-109.	1.6	55
23	The relative roles of CO ₂ and palaeogeography in determining late Miocene climate: results from a terrestrial model-data comparison. <i>Climate of the Past</i> , 2012, 8, 1257-1285.	3.4	45
24	Twenty-million-year relationship between mammalian diversity and primary productivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10908-10913.	7.1	42
25	From card catalogs to computers: databases in vertebrate paleontology. <i>Journal of Vertebrate Paleontology</i> , 2013, 33, 13-28.	1.0	41
26	CRITICAL ISSUES OF SCALE IN PALEOECOLOGY. <i>Palaios</i> , 2009, 24, 1-4.	1.3	39
27	Mountain uplift explains differences in Palaeogene patterns of mammalian evolution and extinction between North America and Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150136.	2.6	38
28	THE IMPACT OF REGIONAL CLIMATE ON THE EVOLUTION OF MAMMALS: A CASE STUDY USING FOSSIL HORSES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 398-408.	2.3	37
29	The many Anthropocenes: A transdisciplinary challenge for the Anthropocene research. <i>Infrastructure Asset Management</i> , 2017, 4, 183-198.	1.6	36
30	Magnetostratigraphy and paleoecology of the hominid-bearing locality Aorakyerler, Tuglu Formation (Aankiri Basin, Central Anatolia). <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1071710.	1.0	34
31	Reorganization of surviving mammal communities after the end-Pleistocene megafaunal extinction. <i>Science</i> , 2019, 365, 1305-1308.	12.6	33
32	Regional climate model experiments to investigate the Asian monsoon in the Late Miocene. <i>Climate of the Past</i> , 2011, 7, 847-868.	3.4	31
33	Toward a holistic understanding of pastoralism. <i>One Earth</i> , 2021, 4, 651-665.	6.8	31
34	Mammal Associations in the Pleistocene of Britain: Implications of Ecological Niche Modelling and a Method for Reconstructing Palaeoclimate. <i>Developments in Quaternary Sciences</i> , 2011, , 279-304.	0.1	30
35	Longer in the tooth, shorter in the record? The evolutionary correlates of hypsodonty in Neogene ruminants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3474-3481.	2.6	29
36	Continuously Growing Rodent Molars Result from a Predictable Quantitative Evolutionary Change over 50 Million Years. <i>Cell Reports</i> , 2015, 11, 673-680.	6.4	27

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37	Climate-vegetation modelling and fossil plant data suggest low atmospheric CO ₂ in the late Miocene. <i>Climate of the Past</i> , 2015, 11, 1701-1732.	3.4	26
38	Investigating Biotic Interactions in Deep Time. <i>Trends in Ecology and Evolution</i> , 2021, 36, 61-75.	8.7	26
39	Feeding Ecology and Morphology Make a Bamboo Specialist Vulnerable to Climate Change. <i>Current Biology</i> , 2017, 27, 3384-3389.e2.	3.9	25
40	Community functional trait composition at the continental scale: the effects of non-ecological processes. <i>Ecography</i> , 2017, 40, 651-663.	4.5	25
41	To continue to burn something? Technological, economic and political path dependencies in district heating in Helsinki, Finland. <i>Energy Research and Social Science</i> , 2019, 58, 101270.	6.4	25
42	Convergence in the distribution patterns of Europe's plants and mammals is due to environmental forcing. <i>Journal of Biogeography</i> , 2012, 39, 1633-1644.	3.0	20
43	Sectoral low-carbon roadmaps and the role of forest biomass in Finland's carbon neutrality 2035 target. <i>Energy Strategy Reviews</i> , 2022, 41, 100836.	7.3	20
44	Mammal body size evolution in North America and Europe over 20 Myr: similar trends generated by different processes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162361.	2.6	19
45	Ecometrics: A Trait-Based Approach to Paleoclimate and Paleoenvironmental Reconstruction. <i>Vertebrate Paleobiology and Paleoanthropology</i> , 2018, , 373-394.	0.5	18
46	Processes of ecometric patterning: modelling functional traits, environments, and clade dynamics in deep time. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 39-63.	1.6	15
47	Northern Warning Lights: Ambiguities of Environmental Security in Finland and Sweden. <i>Sustainability</i> , 2019, 11, 2228.	3.2	14
48	Raising the bar: on the type, size and timeline of a "successful" decoupling. <i>Environmental Politics</i> , 2021, 30, 462-476.	5.4	12
49	Strong interannual variation of the Indian summer monsoon in the Late Miocene. <i>Climate Dynamics</i> , 2013, 41, 135-153.	3.8	9
50	A Lot of Talk, But Little Action – The Blind Spots of Nordic Environmental Security Policy. <i>Sustainability</i> , 2019, 11, 2379.	3.2	9
51	The nature of the Old World savannah palaeobiome. <i>Nature Ecology and Evolution</i> , 2019, 3, 504-504.	7.8	9
52	Climatic effects on niche evolution in a passerine bird clade depend on paleoclimate reconstruction method. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1046-1060.	2.3	8
53	Body mass-related changes in mammal community assembly patterns during the late Quaternary of North America. <i>Ecography</i> , 2021, 44, 56-66.	4.5	7
54	Late quaternary biotic homogenization of North American mammalian faunas. <i>Nature Communications</i> , 2022, 13, .	12.8	7

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55	Comprehensive Security: The Opportunities and Challenges of Incorporating Environmental Threats in Security Policy. <i>Politics and Governance</i> , 2021, 9, 91-101.	1.5	6
56	The Effect of Scale, Climate and Environment on Species Richness and Spatial Distribution of Finnish Birds. <i>Annales Zoologici Fennici</i> , 2011, 48, 257-274.	0.6	5
57	Here be Dragons: Mesowear and Tooth Enamel Isotopes of the Classic Chinese "Hipparion" Faunas from Baode, Shanxi Province, China. <i>Annales Zoologici Fennici</i> , 2014, 51, 227-455.	0.6	5
58	Lessons for human survival in a world without ecological templates: what can we learn from small-scale societies?. <i>Ecology and Society</i> , 2021, 26, .	2.3	5
59	The policy operations room: Analyzing path-dependent decision-making in wicked socio-ecological disruptions. <i>Safety Science</i> , 2022, 146, 105567.	4.9	5
60	Coping with policy errors in an era of chronic socio-environmental crises. <i>Ecological Economics</i> , 2022, 199, 107489.	5.7	4
61	The palaeoenvironment of the middle Miocene pliopithecoid locality in Damiao, Inner Mongolia, China. <i>Journal of Human Evolution</i> , 2017, 108, 31-46.	2.6	3
62	Land mammals form eight functionally and climatically distinct faunas in North America but only one in Europe. <i>Journal of Biogeography</i> , 2019, 46, 185-195.	3.0	3
63	Clusterings should not be compared by visual inspection: response to Gagn� & Proulx. <i>Journal of Biogeography</i> , 2009, 36, 563-565.	3.0	2
64	Teollinen murros ekohyvinvointivaltiossa. <i>Alue Ja Ymp�rist�</i> , 2021, 50, .	0.1	2
65	Lyons et al. reply. <i>Nature</i> , 2016, 538, E3-E4.	27.8	1
66	Suomen pandemiapolitiikka n�k�jalana ilmastokriisipolitiikkaan. <i>Tiede & Edistys</i> , 2021, , 348-366.	0.1	1
67	Onnistunut irtikykent� Suomessa?. <i>Alue Ja Ymp�rist�</i> , 2019, 48, 3-13.	0.1	1
68	Mammal Proxy Methods for Estimating Precipitation. <i>The Paleontological Society Special Publications</i> , 2014, 13, 173-174.	0.0	0
69	Paleogene Surface Uplift and Its Impact on Terrestrial Paleoenvironments and Mammalian Communities in Western North America. <i>The Paleontological Society Special Publications</i> , 2014, 13, 133-134.	0.0	0
70	Patterns of Co-Occurrence of Plant and Mammal Species Across Critical Intervals. <i>The Paleontological Society Special Publications</i> , 2014, 13, 53-54.	0.0	0
71	Lyons et al. reply. <i>Nature</i> , 2016, 537, E5-E6.	27.8	0
72	Ilmastokriisiin sopeutuminen on kansanterveydellinen kysymys. <i>Sosiaalilaaketieteellinen Aikakauslehti</i> , 2019, 56, .	0.1	0

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73	Humanistinen ympäristötutkimus. Alue Ja Ympäristö, 2020, 49, 83-91.	0.1	0