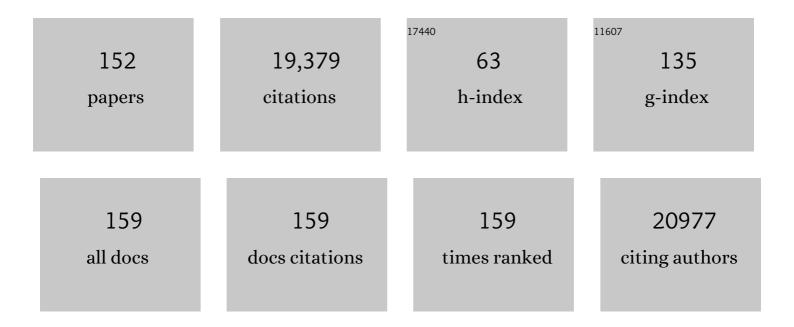
Stephen T Jackson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Estimation of pollen productivity and dispersal: How pollen assemblages in small lakes represent vegetation. Ecological Monographs, 2022, 92, .	5.4	3
2	Vegetation type conversion in the US Southwest: frontline observations and management responses. Fire Ecology, 2022, 18, .	3.0	17
3	8000-year doubling of Midwestern forest biomass driven by population- and biome-scale processes. Science, 2022, 376, 1491-1495.	12.6	7
4	Responding to Ecosystem Transformation: Resist, Accept, or Direct?. Fisheries, 2021, 46, 8-21.	0.8	73
5	More than one way to kill a spruce forest: The role of fire and climate in the lateâ€glacial termination of spruce woodlands across the southern Great Lakes. Journal of Ecology, 2021, 109, 459-477.	4.0	4
6	Managing for RADical ecosystem change: applying the Resistâ€Acceptâ€Đirect (RAD) framework. Frontiers in Ecology and the Environment, 2021, 19, 461-469.	4.0	77
7	Transformational ecology and climate change. Science, 2021, 373, 1085-1086.	12.6	35
8	A New Approach to Evaluate and Reduce Uncertainty of Model-Based Biodiversity Projections for Conservation Policy Formulation. BioScience, 2021, 71, 1261-1273.	4.9	6
9	Forest responses to lastâ€millennium hydroclimate variability are governed by spatial variations in ecosystem sensitivity. Ecology Letters, 2021, 24, 498-508.	6.4	7
10	Waveâ€flattening and translational science. Frontiers in Ecology and the Environment, 2020, 18, 227-227.	4.0	1
11	Spatial Fingerprint of Younger Dryas Cooling and Warming in Eastern North America. Geophysical Research Letters, 2020, 47, e2020GL090031.	4.0	14
12	Using paleo-archives to safeguard biodiversity under climate change. Science, 2020, 369, .	12.6	98
13	Comparison of settlement-era vegetation reconstructions for STEPPS and REVEALS pollen–vegetation models in the northeastern United States. Quaternary Research, 2020, 95, 23-42.	1.7	8
14	Deglacial temperature controls on no-analog community establishment in the Great Lakes Region. Quaternary Science Reviews, 2020, 234, 106245.	3.0	10
15	The IPBES Global Assessment: Pathways to Action. Trends in Ecology and Evolution, 2020, 35, 407-414.	8.7	77
16	Quantifying trends and uncertainty in prehistoric forest composition in the upper Midwestern United States. Ecology, 2019, 100, e02856.	3.2	14
17	Modern pollenâ€assemblage data from small lakes paired with local forestâ€composition data in northeastern United States. Ecology, 2019, 100, e02784.	3.2	1
18	Humboldt for the Anthropocene. Science, 2019, 365, 1074-1076.	12.6	6

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19	Comparing and improving methods for reconstructing peatland water-table depth from testate amoebae. Holocene, 2019, 29, 1350-1361.	1.7	5
20	The Burramys Project: a conservationist's reach should exceed history's grasp, or what is the fossil record for?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190221.	4.0	26
21	Late Quaternary vegetation, climate, and fire history of the Southeast Atlantic Coastal Plain based on a 30,000-yr multi-proxy record from White Pond, South Carolina, USA. Quaternary Research, 2019, 91, 861-880.	1.7	12
22	The Neotoma Paleoecology Database, a multiproxy, international, community-curated data resource. Quaternary Research, 2018, 89, 156-177.	1.7	210
23	Temperature variations in the southern Great Lakes during the last deglaciation: Comparison between pollen and GDGT proxies. Quaternary Science Reviews, 2018, 182, 78-92.	3.0	32
24	Movers and Stayers: Novel Assemblages in Changing Environments. Trends in Ecology and Evolution, 2018, 33, 116-128.	8.7	52
25	Resolution of Respect. Bulletin of the Ecological Society of America, 2018, 99, e01441.	0.2	0
26	Cracking the Code of Biodiversity Responses to Past Climate Change. Trends in Ecology and Evolution, 2018, 33, 765-776.	8.7	119
27	Past and future global transformation of terrestrial ecosystems under climate change. Science, 2018, 361, 920-923.	12.6	307
28	Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems. Science, 2017, 355, .	12.6	260
29	The first 100 years of pollen analysis. Nature Plants, 2017, 3, .	9.3	47
30	Vegetation history since the last glacial maximum in the Ozark highlands (USA): A new record from Cupola Pond, Missouri. Quaternary Science Reviews, 2017, 170, 174-187.	3.0	44
31	Toward an effective practice of translational ecology. Frontiers in Ecology and the Environment, 2017, 15, 540-540.	4.0	9
32	Foundations of translational ecology. Frontiers in Ecology and the Environment, 2017, 15, 541-550.	4.0	212
33	Developing a translational ecology workforce. Frontiers in Ecology and the Environment, 2017, 15, 587-596.	4.0	50
34	Climatic history of the northeastern United States during the past 3000 years. Climate of the Past, 2017, 13, 1355-1379.	3.4	29
35	Managing Climate Change Refugia for Climate Adaptation. PLoS ONE, 2016, 11, e0159909.	2.5	324
36	The impacts of increasing drought on forest dynamics, structure, and biodiversity in the United States. Global Change Biology, 2016, 22, 2329-2352.	9.5	428

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37	Late Holocene expansion of ponderosa pine (<i>Pinus ponderosa</i>) in the Central Rocky Mountains, <scp>USA</scp> . Journal of Biogeography, 2016, 43, 778-790.	3.0	12
38	Quantifying pollen-vegetation relationships to reconstruct ancient forests using 19th-century forest composition and pollen data. Quaternary Science Reviews, 2016, 137, 156-175.	3.0	49
39	The effects of anthropogenic land cover change on pollen-vegetation relationships in the American Midwest. Anthropocene, 2016, 15, 60-71.	3.3	25
40	The Precision Problem in Conservation and Restoration. Trends in Ecology and Evolution, 2016, 31, 820-830.	8.7	81
41	Toward a national, sustained U.S. ecosystem assessment. Science, 2016, 354, 838-839.	12.6	15
42	Reinventing conservation - again. Frontiers in Ecology and the Environment, 2016, 14, 519-519.	4.0	3
43	Government: Plan for ecosystem services. Science, 2016, 351, 1037-1037.	12.6	71
44	Novel and Lost Forests in the Upper Midwestern United States, from New Estimates of Settlement-Era Composition, Stem Density, and Biomass. PLoS ONE, 2016, 11, e0151935.	2.5	48
45	Conservation Paleobiology: Leveraging Knowledge of the Past to Inform Conservation and Restoration. Annual Review of Earth and Planetary Sciences, 2015, 43, 79-103.	11.0	197
46	Are conservation organizations configured for effective adaptation to global change?. Frontiers in Ecology and the Environment, 2015, 13, 163-169.	4.0	24
47	Community ecology in a changing environment: Perspectives from the Quaternary. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4915-4921.	7.1	139
48	Going where the science matters. Science, 2015, 350, 594-594.	12.6	0
49	Climate remains an important driver of postâ€European vegetation change in the eastern United States. Global Change Biology, 2015, 21, 2105-2110.	9.5	96
50	Identifying the pollen of an extinct spruce species in the Late Quaternary sediments of the Tunica Hills region, southâ€eastern United States. Journal of Quaternary Science, 2014, 29, 711-721.	2.1	7
51	<i>Summary of the Snowmastodon Project Special Volume</i> A high-elevation, multi-proxy biotic and environmental record of MIS 6–4 from the Ziegler Reservoir fossil site, Snowmass Village, Colorado, USA. Quaternary Research, 2014, 82, 618-634.	1.7	16
52	Biogeography of Pleistocene conifer species from the Ziegler Reservoir fossil site, Snowmass Village, Colorado. Quaternary Research, 2014, 82, 567-574.	1.7	11
53	Managing the whole landscape: historical, hybrid, and novel ecosystems. Frontiers in Ecology and the Environment, 2014, 12, 557-564.	4.0	378
54	The changing role of history in restoration ecology. Frontiers in Ecology and the Environment, 2014, 12, 499-506.	4.0	299

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55	Inferring local to regional changes in forest composition from Holocene macrofossils and pollen of a small lake in central Upper Michigan. Quaternary Science Reviews, 2014, 98, 60-73.	3.0	24
56	Contributions of longâ€distance dispersal to population growth in colonising <i>Pinus ponderosa</i> populations. Ecology Letters, 2013, 16, 380-389.	6.4	46
57	Natural, potential and actual vegetation in <scp>N</scp> orth <scp>A</scp> merica. Journal of Vegetation Science, 2013, 24, 772-776.	2.2	50
58	Space can substitute for time in predicting climate-change effects on biodiversity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9374-9379.	7.1	551
59	Development of genetic diversity, differentiation and structure over 500Âyears in four ponderosa pine populations. Molecular Ecology, 2013, 22, 2640-2652.	3.9	24
60	Climate-related changes in peatland carbon accumulation during the last millennium. Biogeosciences, 2013, 10, 929-944.	3.3	257
61	Making a stand: five centuries of population growth in colonizing populations ofPinus ponderosa. Ecology, 2012, 93, 1071-1081.	3.2	43
62	Decomposing the midâ€Holocene <i>Tsuga</i> decline in eastern North America. Ecology, 2012, 93, 1841-1852.	3.2	40
63	Vegetation history in central Kentucky and Tennessee (USA) during the last glacial and deglacial periods. Quaternary Research, 2012, 79, 189-198.	1.7	33
64	Climatic and megaherbivory controls on late-glacial vegetation dynamics: a new, high-resolution, multi-proxy record from Silver Lake, Ohio. Quaternary Science Reviews, 2012, 34, 66-80.	3.0	123
65	Temporal density of pollen sampling affects age determination of the mid-Holocene hemlock (Tsuga) decline. Quaternary Science Reviews, 2012, 45, 54-59.	3.0	18
66	Deposition times in the northeastern United States during the Holocene: establishing valid priors for Bayesian age models. Quaternary Science Reviews, 2012, 48, 54-60.	3.0	71
67	Representation of flora and vegetation in Quaternary fossil assemblages: known and unknown knowns and unknowns. Quaternary Science Reviews, 2012, 49, 1-15.	3.0	68
68	Paleoecoinformatics: applying geohistorical data to ecological questions. Trends in Ecology and Evolution, 2012, 27, 104-112.	8.7	96
69	Response of arboreal pollen abundance to late-Holocene drought events in the Upper Midwest, USA. Holocene, 2012, 22, 531-539.	1.7	10
70	Multiâ€decadal drought and amplified moisture variability drove rapid forest community change in a humid region. Ecology, 2012, 93, 219-226.	3.2	68
71	Climatic determinism in phytogeographic regionalization: A test from the Irano-Turanian region, SW and Central Asia. Flora: Morphology, Distribution, Functional Ecology of Plants, 2012, 207, 237-249.	1.2	113
72	Developing an Integrated History and future of People on Earth (IHOPE). Current Opinion in Environmental Sustainability, 2012, 4, 106-114.	6.3	59

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73	Ecological implications of Cousinia Cass. (Asteraceae) persistence through the last two glacial–interglacial cycles in the continental Middle East for the Irano-Turanian flora. Review of Palaeobotany and Palynology, 2012, 172, 10-20.	1.5	92
74	Engaging with novel ecosystems. Frontiers in Ecology and the Environment, 2011, 9, 423-423.	4.0	35
75	Beyond Predictions: Biodiversity Conservation in a Changing Climate. Science, 2011, 332, 53-58.	12.6	1,510
76	A methodological framework for assessing and reducing temporal uncertainty in paleovegetation mapping from late-Quaternary pollen records. Quaternary Science Reviews, 2011, 30, 1926-1939.	3.0	76
77	Toward an Integrated History to Guide the Future. Ecology and Society, 2011, 16, .	2.3	58
78	Walking through time in the Lake Michigan dunes. Frontiers in Ecology and the Environment, 2011, 9, 526-527.	4.0	0
79	Reliability of macrofossils in woodrat (<i>Neotoma</i>) middens for detecting low-density tree populations. Paleobiology, 2011, 37, 603-615.	2.0	13
80	Ancient DNA from lake sediments: Bridging the gap between paleoecology and genetics. BMC Evolutionary Biology, 2011, 11, 30.	3.2	126
81	Assessing antiquity and turnover of terrestrial ecosystems in eastern North America using fossil pollen data: A preliminary study. IOP Conference Series: Earth and Environmental Science, 2010, 9, 012005.	0.3	3
82	Persistence and expansion of ponderosa pine woodlands in the west entral Great Plains during the past two centuries. Journal of Biogeography, 2010, 37, 1668-1683.	3.0	13
83	Differential hydrogen isotopic ratios of Sphagnum and vascular plant biomarkers in ombrotrophic peatlands as a quantitative proxy for precipitation—evaporation balance. Geochimica Et Cosmochimica Acta, 2010, 74, 1407-1416.	3.9	66
84	Balancing biodiversity in a changing environment: extinction debt, immigration credit and species turnover. Trends in Ecology and Evolution, 2010, 25, 153-160.	8.7	560
85	Response to †Biodiversity "surpluses―and "deficits―are not novel issues': We agree. Trends in Eca and Evolution, 2010, 25, 621-622.	ology	2
86	Ecology and the ratchet of events: Climate variability, niche dimensions, and species distributions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19685-19692.	7.1	436
87	Alexander von Humboldt and the General Physics of the Earth. Science, 2009, 324, 596-597.	12.6	36
88	Ecological Restoration in the Light of Ecological History. Science, 2009, 325, 567-569.	12.6	492
89	CRITICAL ISSUES OF SCALE IN PALEOECOLOGY. Palaios, 2009, 24, 1-4.	1.3	39
90	Pleistocene Megafaunal Collapse, Novel Plant Communities, and Enhanced Fire Regimes in North America. Science, 2009, 326, 1100-1103.	12.6	458

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91	Ecological stability in a changing world? Reassessment of the palaeoenvironmental history of Cuatrociénegas, Mexico. Journal of Biogeography, 2008, 35, 188-190.	3.0	28
92	Scaling environmental change through the communityâ€level: a traitâ€based responseâ€andâ€effect framework for plants. Global Change Biology, 2008, 14, 1125-1140.	9.5	981
93	Impacts of climate change on species, populations and communities: palaeobiogeographical insights and frontiers. Progress in Physical Geography, 2008, 32, 139-172.	3.2	81
94	Novel climates, no-analog communities, and ecological surprises. Frontiers in Ecology and the Environment, 2007, 5, 475-482.	4.0	1,317
95	Human Impacts in Pine Forests: Past, Present, and Future. Annual Review of Ecology, Evolution, and Systematics, 2007, 38, 275-297.	8.3	85
96	Projected distributions of novel and disappearing climates by 2100 AD. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5738-5742.	7.1	1,061
97	Looking forward from the past: history, ecology, and conservation. Frontiers in Ecology and the Environment, 2007, 5, 455-455.	4.0	38
98	Novel climates, no-analog communities, and ecological surprises. Frontiers in Ecology and the Environment, 2007, 5, 475-482.	4.0	21
99	Widespread drought episodes in the western Great Lakes region during the past 2000 years: Geographic extent and potential mechanisms. Earth and Planetary Science Letters, 2006, 242, 415-427.	4.4	123
100	Paleohydrologic reconstruction based on n-alkane distributions in ombrotrophic peat. Organic Geochemistry, 2006, 37, 1505-1513.	1.8	190
101	ROLE OF MULTIDECADAL CLIMATE VARIABILITY IN A RANGE EXTENSION OF PINYON PINE. Ecology, 2006, 87, 1124-1130.	3.2	125
102	Forest genetics in space and time. New Phytologist, 2006, 171, 1-3.	7.3	20
103	Vegetation, environment, and time: The origination and termination of ecosystems. Journal of Vegetation Science, 2006, 17, 549-557.	2.2	65
104	Classification tree and minimum-volume ellipsoid analyses of the distribution of ponderosa pine in the western USA. Journal of Biogeography, 2006, 33, 342-360.	3.0	30
105	A 40,000-year woodrat-midden record of vegetational and biogeographical dynamics in north-eastern Utah, USA. Journal of Biogeography, 2005, 32, 1085-1106.	3.0	54
106	A severe centennial-scale drought in midcontinental North America 4200 years ago and apparent global linkages. Holocene, 2005, 15, 321-328.	1.7	318
107	TREE-RING BASED RECONSTRUCTIONS OF INTERANNUAL TO DECADAL SCALE PRECIPITATION VARIABILITY FOR NORTHEASTERN UTAH SINCE 1226 A.D Journal of the American Water Resources Association, 2004, 40, 947-960.	2.4	60
108	Paleoecology and high-resolution paleohydrology of a kettle peatland in upper Michigan. Quaternary Research, 2004, 61, 1-13.	1.7	86

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109	Validating the use of woodrat (<i>Neotoma</i>) middens for documenting natural invasions. Journal of Biogeography, 2004, 31, 333-342.	3.0	22
110	MODERN ANALOGS IN QUATERNARY PALEOECOLOGY: Here Today, Gone Yesterday, Gone Tomorrow?. Annual Review of Earth and Planetary Sciences, 2004, 32, 495-537.	11.0	418
111	Tree-Ring-Based Reconstruction of Precipitation in the Bighorn Basin, Wyoming, since 1260 <scp>a.d</scp> . Journal of Climate, 2004, 17, 3855-3865.	3.2	54
112	The climatic impacts of land surface change and carbon management, and the implications for climate-change mitigation policy. Climate Policy, 2003, 3, 149-157.	5.1	36
113	The climatic impacts of land surface change and carbon management, and the implications for climate-change mitigation policy. Climate Policy, 2003, 3, 149-157.	5.1	177
114	Patterns and sources of multidecadal oscillations in drought-sensitive tree-ring records from the central and southern Rocky Mountains. Geophysical Research Letters, 2003, 30, .	4.0	116
115	Palynological and AVHRR observations of modern vegetational gradients in eastern North America. Holocene, 2003, 13, 485-497.	1.7	38
116	A high-resolution record of late-Holocene moisture variability from a Michigan raised bog, USA. Holocene, 2003, 13, 863-876.	1.7	122
117	INFLUENCE OF LANDSCAPE STRUCTURE AND CLIMATE VARIABILITY ON A LATE HOLOCENE PLANT MIGRATION. Ecological Monographs, 2003, 73, 567-583.	5.4	95
118	The role of Late Holocene climate variability in the expansion of yellow birch in the western Great Lakes region. Diversity and Distributions, 2002, 8, 275-284.	4.1	44
119	Paleoecology of a Northern Michigan Lake and the Relationship among Climate, Vegetation, and Great Lakes Water Levels. Quaternary Research, 2002, 57, 120-130.	1.7	55
120	Holocene Vegetation and Climate History of the Northern Bighorn Basin, Southern Montana. Quaternary Research, 2002, 58, 171-181.	1.7	27
121	Responses of plant populations and communities to environmental changes of the late Quaternary. Paleobiology, 2000, 26, 194-220.	2.0	227
122	Out of the Garden and into the Cooler? A Quaternary Perspective on Deep-Time Paleoecology. The Paleontological Society Papers, 2000, 6, 287-308.	0.6	7
123	Vegetation and environment in Eastern North America during the Last Glacial Maximum. Quaternary Science Reviews, 2000, 19, 489-508.	3.0	283
124	Responses of plant populations and communities to environmental changes of the late Quaternary. Paleobiology, 2000, 26, 194-220.	2.0	537
125	Species differentiation of North American spruce (Picea) based on morphological and anatomical characteristics of needles. Canadian Journal of Botany, 2000, 78, 1367-1383.	1.1	17
126	Species differentiation of North American spruce (<i>Picea</i>) based on morphological and anatomical characteristics of needles. Canadian Journal of Botany, 2000, 78, 1367-1383.	1.1	41

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127	Late Quaternary extinction of a tree species in eastern North America. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13847-13852.	7.1	174
128	Pollen dispersal models in Quaternary plant ecology: Assumptions, parameters, and prescriptions. Botanical Review, The, 1999, 65, 39-75.	3.9	253
129	Late Clacial and Holocene vegetation history and paleoclimate of the Kaibab Plateau, Arizona. Palaeogeography, Palaeoclimatology, Palaeoecology, 1999, 153, 179-201.	2.3	89
130	Quantitative representation of local forest composition in forestâ€floor pollen assemblages. Journal of Ecology, 1998, 86, 474-490.	4.0	103
131	Reid's Paradox of Rapid Plant Migration. BioScience, 1998, 48, 13-24.	4.9	646
132	History of aPinus strobus-dominated stand in northern New York. Journal of Vegetation Science, 1997, 8, 425-436.	2.2	5
133	Documenting Natural and Human-Caused Plant Invasions Using Paleoecological Methods. Springer Series on Environmental Management, 1997, , 37-55.	0.3	21
134	Mapped plant-macrofossil and pollen records of late quaternary vegetation change in Eastern North America. Quaternary Science Reviews, 1997, 16, 1-70.	3.0	230
135	Differentiating Climatic and Successional Influences on Long-Term Development of a Marsh. Ecology, 1996, 77, 1765-1778.	3.2	49
136	Exploration and calibration of pollen/vegetation relationships: a PC program for the extended R-value models. Review of Palaeobotany and Palynology, 1995, 84, 365-374.	1.5	28
137	Late Wisconsinan Vegetation and Environment of the Tunica Hills Region, Louisiana/Mississippi. Quaternary Research, 1994, 41, 316-325.	1.7	38
138	Pollen dispersal and representation on an isolated, forested plateau*. New Phytologist, 1994, 128, 181-193.	7.3	25
139	Using Forest Patchiness to Determine Pollen Source Areas of Closed-Canopy Pollen Assemblages. Journal of Ecology, 1994, 82, 88.	4.0	70
140	Pollen and spores in Quaternary lake sediments as sensors of vegetation composition: theoretical models and empirical evidence. , 1994, , 253-286.		97
141	Pollen and Macrofossils from Wisconsinan Interstadial Sediments in Northeastern Georgia. Quaternary Research, 1993, 39, 99-106.	1.7	20
142	Pollen dispersal and representation on an offshore island. New Phytologist, 1992, 122, 187-202.	7.3	18
143	Pollen representation of vegetational patterns along an elevational gradient. Journal of Vegetation Science, 1991, 2, 613-624.	2.2	37
144	Holocene Vegetation Patterns in the Adirondack Mountains. Ecology, 1991, 72, 641-653.	3.2	93

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145	Pollen source area and representation in small lakes of the northeastern United States. Review of Palaeobotany and Palynology, 1990, 63, 53-76.	1.5	190
146	A Paleoecological Test of a Classical Hydrosere in the Lake Michigan Dunes. Ecology, 1988, 69, 928-936.	3.2	81
147	Accelerator Radiocarbon Date Indicates Mid-Holocene age for Hickory Nut from Indiana Late-Glacial Sediments. Quaternary Research, 1986, 25, 257-258.	1.7	7
148	Late-Glacial and Early Holocene Vegetational History at the Kolarik Mastodon Site, Northwestern Indiana. American Midland Naturalist, 1986, 115, 361.	0.4	16
149	Late-glacial and Holocene acidity changes in Adirondack (N.Y.) Lakes. , 1986, , 251-274.		46
150	Paleoecology of a Fossil Plant Assemblage from a Pre-Wisconsinan Till in Southern Illinois. American Midland Naturalist, 1983, 109, 120.	0.4	9
151	Late-Glacial Vegetation Associated with Caribou and Mastodon in Central Indiana. Quaternary Research, 1982, 17, 241-257.	1.7	26
152	Provenance of invaders has scale-dependent impacts in a changing wetland ecosystem. NeoBiota, 0, 40, 51-72.	1.0	1