

# John Poulsen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91  
papers

10,469  
citations

34  
h-index

98  
g-index

98  
ext. papers

12,375  
ext. citations

6.3  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
91	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5	6
90	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. <i>Remote Sensing of Environment</i> , <b>2022</b> , 270, 112845	13.2	11
89	Long Distance Seed Dispersal by Forest Elephants. <i>Frontiers in Ecology and Evolution</i> , <b>2021</b> , 9,	3.7	1
88	Resistance of African tropical forests to an extreme climate anomaly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	10
87	African forest elephant movements depend on time scale and individual behavior. <i>Scientific Reports</i> , <b>2021</b> , 11, 12634	4.9	2
86	Expected carbon emissions from a rubber plantation in Central Africa. <i>Forest Ecology and Management</i> , <b>2021</b> , 480, 118668	3.9	1
85	Is there tree senescence? The fecundity evidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	13
84	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , <b>2021</b> , 260, 108849	6.2	15
83	The NASA AfriSAR campaign: Airborne SAR and lidar measurements of tropical forest structure and biomass in support of current and future space missions. <i>Remote Sensing of Environment</i> , <b>2021</b> , 264, 112533	13.2	9
82	From town to national park: Understanding the long-term effects of hunting and logging on tree communities in Central Africa. <i>Forest Ecology and Management</i> , <b>2021</b> , 499, 119571	3.9	0
81	Climatic and Resource Determinants of Forest Elephant Movements. <i>Frontiers in Ecology and Evolution</i> , <b>2020</b> , 8,	3.7	4
80	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , <b>2020</b> , 368, 869-874	33.3	92
79	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , <b>2020</b> , 579, 80-87	50.4	202
78	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 1495-1514	6.1	21
77	Assessing the effects of elephant foraging on the structure and diversity of an Afrotropical forest. <i>Biotropica</i> , <b>2020</b> , 52, 502-508	2.3	2
76	Defaunation of large mammals alters understory vegetation and functional importance of invertebrates in an Afrotropical forest. <i>Biological Conservation</i> , <b>2020</b> , 241, 108329	6.2	6
75	Old growth Afrotropical forests critical for maintaining forest carbon. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 1785-1798	6.1	7

74	LED flashlight technology facilitates wild meat extraction across the tropics. <i>Frontiers in Ecology and the Environment</i> , <b>2020</b> , 18, 489-495	5.5	7
73	Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 1799-1816	6.1	19
72	Advancing an interdisciplinary framework to study seed dispersal ecology. <i>AoB PLANTS</i> , <b>2020</b> , 12, plz0482.9	2.9	13
71	Pangolins in global camera trap data: Implications for ecological monitoring. <i>Global Ecology and Conservation</i> , <b>2019</b> , 20, e00769	2.8	17
70	The persistence of carbon in the African forest understory. <i>Nature Plants</i> , <b>2019</b> , 5, 133-140	11.5	19
69	Estimates and determinants of stocks of deep soil carbon in Gabon, Central Africa. <i>Geoderma</i> , <b>2019</b> , 341, 236-248	6.7	15
68	Do topography and fruit presence influence occurrence and intensity of crop-raiding by forest elephants ( <i>Loxodonta africana cyclotis</i> )?. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213971	3.7	6
67	Participatory monitoring reveals village-centered gradients of mammalian defaunation in central Africa. <i>Biological Conservation</i> , <b>2019</b> , 233, 228-238	6.2	18
66	Low-intensity logging and hunting have long-term effects on seed dispersal but not fecundity in Afrotropical forests. <i>AoB PLANTS</i> , <b>2019</b> , 11, ply074	2.9	5
65	Landscape-level validation of allometric relationships for carbon stock estimation reveals bias driven by soil type. <i>Ecological Applications</i> , <b>2019</b> , 29, e01987	4.9	4
64	Exploring the relation between remotely sensed vertical canopy structure and tree species diversity in Gabon. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 094013	6.2	11
63	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. <i>Scientific Data</i> , <b>2019</b> , 6, 198	8.2	29
62	Intrinsic and extrinsic drivers of intraspecific variation in seed dispersal are diverse and pervasive. <i>AoB PLANTS</i> , <b>2019</b> , 11, plz067	2.9	22
61	Estimation of gut passage time of wild, free roaming forest elephants. <i>Wildlife Biology</i> , <b>2019</b> , 2019,	1.7	4
60	Employing plant functional groups to advance seed dispersal ecology and conservation. <i>AoB PLANTS</i> , <b>2019</b> , 11, plz006	2.9	18
59	Unsustainable vs. Sustainable Hunting for Food in Gabon: Modeling Short- and Long-Term Gains and Losses. <i>Frontiers in Ecology and Evolution</i> , <b>2019</b> , 7,	3.7	8
58	Stronger together: comparing and integrating camera trap, visual, and dung survey data in tropical forest communities. <i>Ecosphere</i> , <b>2019</b> , 10, e02965	3.1	5
57	Phylogenetic classification of the world's tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1837-1842	11.5	107

56	Assessing Africa-Wide Pangolin Exploitation by Scaling Local Data. <i>Conservation Letters</i> , <b>2018</b> , 11, e12388	6.9	54
55	Ecological consequences of forest elephant declines for Afrotropical forests. <i>Conservation Biology</i> , <b>2018</b> , 32, 559-567	6	24
54	In Situ Reference Datasets From the TropiSAR and AfriSAR Campaigns in Support of Upcoming Spaceborne Biomass Missions. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2018</b> , 11, 3617-3627	4.7	33
53	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 1366-1383	6.1	52
52	Seed traits, not density or distance from parent, determine seed predation and establishment in an Afrotropical forest. <i>Biotropica</i> , <b>2018</b> , 50, 881-888	2.3	5
51	Forest elephant movement and habitat use in a tropical forest-grassland mosaic in Gabon. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199387	3.7	24
50	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , <b>2017</b> , 7, 39102	4.9	177
49	Poaching empties critical Central African wilderness of forest elephants. <i>Current Biology</i> , <b>2017</b> , 27, R1346-R1355	4.3	53
48	Telemetric tracking of scatterhoarding and seed fate in a Central African forest. <i>Biotropica</i> , <b>2017</b> , 49, 170-176	2.3	14
47	Forest structure determines the abundance and distribution of large lianas in Gabon. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 472-485	6.1	13
46	The riverine source of CH <sub>4</sub> and N <sub>2</sub> O from the Republic of Congo, western Congo Basin. <i>Biogeosciences</i> , <b>2017</b> , 14, 2267-2281	4.6	14
45	No Dear John Letter—Here—these Guys Are Committed to Saving the African Jungles: The Arising Researcher. <i>Bulletin of the Ecological Society of America</i> , <b>2017</b> , 98, 36-37	0.7	
44	A pantropical assessment of vertebrate physical damage to forest seedlings and the effects of defaunation. <i>Global Ecology and Conservation</i> , <b>2017</b> , 11, 188-195	2.8	12
43	Reducing Carbon Emissions from Forest Conversion for Oil Palm Agriculture in Gabon. <i>Conservation Letters</i> , <b>2017</b> , 10, 297-307	6.9	21
42	Vertebrate community composition and diversity declines along a defaunation gradient radiating from rural villages in Gabon. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 805-814	5.8	37
41	Deadwood stocks increase with selective logging and large tree frequency in Gabon. <i>Global Change Biology</i> , <b>2017</b> , 23, 1648-1660	11.4	14
40	An assessment of high carbon stock and high conservation value approaches to sustainable oil palm cultivation in Gabon. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 014005	6.2	24
39	Hunting-induced defaunation drives increased seed predation and decreased seedling establishment of commercially important tree species in an Afrotropical forest. <i>Forest Ecology and Management</i> , <b>2016</b> , 382, 206-213	3.9	21

38	How Bees Deter Elephants: Beehive Trials with Forest Elephants ( <i>Loxodonta africana cyclotis</i> ) in Gabon. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155690	3.7	25
37	Wanted: new allometric equations for large lianas and African lianas. <i>Biotropica</i> , <b>2016</b> , 48, 561-564	2.3	6
36	Bacteriohopanepolyols in tropical soils and sediments from the Congo River catchment area. <i>Organic Geochemistry</i> , <b>2015</b> , 89-90, 1-13	3.1	22
35	Synthesising bushmeat research effort in West and Central Africa: A new regional database. <i>Biological Conservation</i> , <b>2015</b> , 181, 199-205	6.2	72
34	An estimate of the number of tropical tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 7472-7	11.5	258
33	Variability in aerobic methane oxidation over the past 1.2 Myrs recorded in microbial biomarker signatures from Congo fan sediments. <i>Geochimica Et Cosmochimica Acta</i> , <b>2014</b> , 133, 387-401	5.5	42
32	The biogeochemistry of carbon across a gradient of streams and rivers within the Congo Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2014</b> , 119, 687-702	3.7	44
31	Natural regeneration of selected timber species in the Republic of Congo. <i>African Journal of Ecology</i> , <b>2014</b> , 52, 552-563	0.8	5
30	Diet selection is related to breeding status in two frugivorous hornbill species of Central Africa. <i>Journal of Tropical Ecology</i> , <b>2014</b> , 30, 273-290	1.3	7
29	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 1261-1271	6.1	280
28	Ecological erosion of an Afrotropical forest and potential consequences for tree recruitment and forest biomass. <i>Biological Conservation</i> , <b>2013</b> , 163, 122-130	6.2	59
27	Above-ground biomass and structure of 260 African tropical forests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 368, 20120295	5.8	204
26	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. <i>New Phytologist</i> , <b>2013</b> , 198, 252-263	9.8	94
25	Inorganic carbon speciation and fluxes in the Congo River. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 511-516	1.9	60
24	Roles of seed and establishment limitation in determining patterns of afrotropical tree recruitment. <i>PLoS ONE</i> , <b>2013</b> , 8, e63330	3.7	16
23	Averting biodiversity collapse in tropical forest protected areas. <i>Nature</i> , <b>2012</b> , 489, 290-4	50.4	686
22	Vertebrate herbivory impacts seedling recruitment more than niche partitioning or density-dependent mortality. <i>Ecology</i> , <b>2012</b> , 93, 554-64	4.6	28
21	Experimental manipulation of seed shadows of an Afrotropical tree determines drivers of recruitment. <i>Ecology</i> , <b>2012</b> , 93, 500-10	4.6	10

20	Decoupling the effects of logging and hunting on an afrotropical animal community <b>2011</b> , 21, 1819-36		84
19	Putting plant resistance traits on the map: a test of the idea that plants are better defended at lower latitudes. <i>New Phytologist</i> , <b>2011</b> , 191, 777-788	9.8	126
18	Urban mockingbirds quickly learn to identify individual humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 8959-62	11.5	83
17	Logging concessions can extend the conservation estate for Central African tropical forests. <i>Conservation Biology</i> , <b>2009</b> , 23, 1281-93	6	115
16	Bushmeat supply and consumption in a tropical logging concession in northern Congo. <i>Conservation Biology</i> , <b>2009</b> , 23, 1597-608	6	115
15	Generalized linear mixed models: a practical guide for ecology and evolution. <i>Trends in Ecology and Evolution</i> , <b>2009</b> , 24, 127-35	10.9	5412
14	Plants as reef fish: fitting the functional form of seedling recruitment. <i>American Naturalist</i> , <b>2007</b> , 170, 167-83	3.7	64
13	Are plant populations seed limited? A critique and meta-analysis of seed addition experiments. <i>American Naturalist</i> , <b>2007</b> , 170, 128-42	3.7	350
12	COMPARATIVE SEED SHADOWS OF BIRD-, MONKEY-, AND WIND-DISPERSED TREES. <i>Ecology</i> , <b>2005</b> , 86, 2684-2694	4.6	169
11	A long-term evaluation of fruiting phenology: importance of climate change. <i>Journal of Tropical Ecology</i> , <b>2005</b> , 21, 31-45	1.3	176
10	A 12-Year Phenological Record of Fruiting: Implications for Frugivore Populations and Indicators of Climate Change <b>2005</b> , 75-92		24
9	Densities, Distributions, and Seasonal Movements of Gorillas and Chimpanzees in Swamp Forest in Northern Congo. <i>International Journal of Primatology</i> , <b>2004</b> , 25, 285-306	2	87
8	Fruiting trees as dispersal foci in a semi-deciduous tropical forest. <i>Oecologia</i> , <b>2004</b> , 139, 66-75	2.9	72
7	DIFFERENTIAL RESOURCE USE BY PRIMATES AND HORNBILLS: IMPLICATIONS FOR SEED DISPERSAL. <i>Ecology</i> , <b>2002</b> , 83, 228-240	4.6	113
6	Predation on mammals by the grey-cheeked mangabey <i>Lophocebus albigena</i> . <i>Primates</i> , <b>2001</b> , 42, 391-394.7		2
5	Seasonal variation in the feeding ecology of the grey-cheeked mangabey ( <i>Lophocebus albigena</i> ) in Cameroon. <i>American Journal of Primatology</i> , <b>2001</b> , 54, 91-105	2.5	66
4	The Role of Arboreal Seed Dispersal Groups on the Seed Rain of a Lowland Tropical Forest1. <i>Biotropica</i> , <b>2001</b> , 33, 606-620	2.3	85
3	The Role of Arboreal Seed Dispersal Groups on the Seed Rain of a Lowland Tropical Forest1. <i>Biotropica</i> , <b>2001</b> , 33, 606	2.3	

- 2 Seed dispersal by a diurnal primate community in the Dja Reserve, Cameroon. *Journal of Tropical Ecology*, **2001**, 17, 787-808 1.3 83
- 1 Wildlife Management in a Logging Concession in Northern Congo: Can Livelihoods be Maintained Through Sustainable Hunting? 140-157 4