John Poulsen

List of Publications by Citations

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	Generalized linear mixed models: a practical guide for ecology and evolution. *Trends in Ecology and Evolution*, **2009**, 24, 127-35	10.9	5412
90	Averting biodiversity collapse in tropical forest protected areas. *Nature*, **2012**, 489, 290-4	50.4	686
89	Are plant populations seed limited? A critique and meta-analysis of seed addition experiments. *American Naturalist*, **2007**, 170, 128-42	3.7	350
88	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. *Global Ecology and Biogeography*, **2013**, 22, 1261-1271	6.1	280
87	An estimate of the number of tropical tree species. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7472-7	11.5	258
86	Above-ground biomass and structure of 260 African tropical forests. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120295	5.8	204
85	Asynchronous carbon sink saturation in African and Amazonian tropical forests. *Nature*, **2020**, 579, 80-87	50.4	202
84	Diversity and carbon storage across the tropical forest biome. *Scientific Reports*, **2017**, 7, 39102	4.9	177
83	A long-term evaluation of fruiting phenology: importance of climate change. *Journal of Tropical Ecology*, **2005**, 21, 31-45	1.3	176
82	COMPARATIVE SEED SHADOWS OF BIRD-, MONKEY-, AND WIND-DISPERSED TREES. *Ecology*, **2005**, 86, 2684-2694	4.6	169
81	Putting plant resistance traits on the map: a test of the idea that plants are better defended at lower latitudes. *New Phytologist*, **2011**, 191, 777-788	9.8	126
80	Logging concessions can extend the conservation estate for Central African tropical forests. *Conservation Biology*, **2009**, 23, 1281-93	6	115
79	Bushmeat supply and consumption in a tropical logging concession in northern Congo. *Conservation Biology*, **2009**, 23, 1597-608	6	115
78	DIFFERENTIAL RESOURCE USE BY PRIMATES AND HORNBILLS: IMPLICATIONS FOR SEED DISPERSAL. *Ecology*, **2002**, 83, 228-240	4.6	113
77	Phylogenetic classification of the world's tropical forests. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1837-1842	11.5	107
76	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. *New Phytologist*, **2013**, 198, 252-263	9.8	94
75	Long-term thermal sensitivity of Earth's tropical forests. *Science*, **2020**, 368, 869-874	33.3	92

74	Densities, Distributions, and Seasonal Movements of Gorillas and Chimpanzees in Swamp Forest in Northern Congo. *International Journal of Primatology*, **2004**, 25, 285-306	2	87
73	The Role of Arboreal Seed Dispersal Groups on the Seed Rain of a Lowland Tropical Forest1. *Biotropica*, **2001**, 33, 606-620	2.3	85
72	Decoupling the effects of logging and hunting on an afrotropical animal community **2011**, 21, 1819-36		84
71	Urban mockingbirds quickly learn to identify individual humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8959-62	11.5	83
70	Seed dispersal by a diurnal primate community in the Dja Reserve, Cameroon. *Journal of Tropical Ecology*, **2001**, 17, 787-808	1.3	83
69	Synthesising bushmeat research effort in West and Central Africa: A new regional database. *Biological Conservation*, **2015**, 181, 199-205	6.2	72
68	Fruiting trees as dispersal foci in a semi-deciduous tropical forest. *Oecologia*, **2004**, 139, 66-75	2.9	72
67	Seasonal variation in the feeding ecology of the grey-cheeked mangabey (Lophocebus albigena) in Cameroon. *American Journal of Primatology*, **2001**, 54, 91-105	2.5	66
66	Plants as reef fish: fitting the functional form of seedling recruitment. *American Naturalist*, **2007**, 170, 167-83	3.7	64
65	Inorganic carbon speciation and fluxes in the Congo River. *Geophysical Research Letters*, **2013**, 40, 511-516	4.9	60
64	Ecological erosion of an Afrotropical forest and potential consequences for tree recruitment and forest biomass. *Biological Conservation*, **2013**, 163, 122-130	6.2	59
63	Assessing Africa-Wide Pangolin Exploitation by Scaling Local Data. *Conservation Letters*, **2018**, 11, e12386	6.9	54
62	Poaching empties critical Central African wilderness of forest elephants. *Current Biology*, **2017**, 27, R134-R135	8.3	53
61	Pan-tropical prediction of forest structure from the largest trees. *Global Ecology and Biogeography*, **2018**, 27, 1366-1383	6.1	52
60	The biogeochemistry of carbon across a gradient of streams and rivers within the Congo Basin. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 687-702	3.7	44
59	Variability in aerobic methane oxidation over the past 1.2 Myrs recorded in microbial biomarker signatures from Congo fan sediments. *Geochimica Et Cosmochimica Acta*, **2014**, 133, 387-401	5.5	42
58	Vertebrate community composition and diversity declines along a defaunation gradient radiating from rural villages in Gabon. *Journal of Applied Ecology*, **2017**, 54, 805-814	5.8	37
57	In Situ Reference Datasets From the TropiSAR and AfriSAR Campaigns in Support of Upcoming Spaceborne Biomass Missions. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2018**, 11, 3617-3627	4.7	33

56	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. *Scientific Data*, **2019**, 6, 198	8.2	29
55	Vertebrate herbivory impacts seedling recruitment more than niche partitioning or density-dependent mortality. *Ecology*, **2012**, 93, 554-64	4.6	28
54	How Bees Deter Elephants: Beehive Trials with Forest Elephants (Loxodonta africana cyclotis) in Gabon. *PLoS ONE*, **2016**, 11, e0155690	3.7	25
53	Ecological consequences of forest elephant declines for Afrotropical forests. *Conservation Biology*, **2018**, 32, 559-567	6	24
52	An assessment of high carbon stock and high conservation value approaches to sustainable oil palm cultivation in Gabon. *Environmental Research Letters*, **2017**, 12, 014005	6.2	24
51	Forest elephant movement and habitat use in a tropical forest-grassland mosaic in Gabon. *PLoS ONE*, **2018**, 13, e0199387	3.7	24
50	A 12-Year Phenological Record of Fruiting: Implications for Frugivore Populations and Indicators of Climate Change **2005**, 75-92		24
49	Bacteriohopanepolyols in tropical soils and sediments from the Congo River catchment area. *Organic Geochemistry*, **2015**, 89-90, 1-13	3.1	22
48	Intrinsic and extrinsic drivers of intraspecific variation in seed dispersal are diverse and pervasive. *AoB PLANTS*, **2019**, 11, plz067	2.9	22
47	The global abundance of tree palms. *Global Ecology and Biogeography*, **2020**, 29, 1495-1514	6.1	21
46	Hunting-induced defaunation drives increased seed predation and decreased seedling establishment of commercially important tree species in an Afrotropical forest. *Forest Ecology and Management*, **2016**, 382, 206-213	3.9	21
45	Reducing Carbon Emissions from Forest Conversion for Oil Palm Agriculture in Gabon. *Conservation Letters*, **2017**, 10, 297-307	6.9	21
44	The persistence of carbon in the African forest understory. *Nature Plants*, **2019**, 5, 133-140	11.5	19
43	Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. *Global Ecology and Biogeography*, **2020**, 29, 1799-1816	6.1	19
42	Participatory monitoring reveals village-centered gradients of mammalian defaunation in central Africa. *Biological Conservation*, **2019**, 233, 228-238	6.2	18
41	Employing plant functional groups to advance seed dispersal ecology and conservation. *AoB PLANTS*, **2019**, 11, plz006	2.9	18
40	Pangolins in global camera trap data: Implications for ecological monitoring. *Global Ecology and Conservation*, **2019**, 20, e00769	2.8	17
39	Roles of seed and establishment limitation in determining patterns of afrotropical tree recruitment. *PLoS ONE*, **2013**, 8, e63330	3.7	16

38	Estimates and determinants of stocks of deep soil carbon in Gabon, Central Africa. *Geoderma*, **2019**, 341, 236-248	6.7	15
37	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. *Biological Conservation*, **2021**, 260, 108849	6.2	15
36	Telemetric tracking of scatterhoarding and seed fate in a Central African forest. *Biotropica*, **2017**, 49, 170-176	2.3	14
35	The riverine source of CH₄ and N₂O from the Republic of Congo, western Congo Basin. *Biogeosciences*, **2017**, 14, 2267-2281	4.6	14
34	Deadwood stocks increase with selective logging and large tree frequency in Gabon. *Global Change Biology*, **2017**, 23, 1648-1660	11.4	14
33	Forest structure determines the abundance and distribution of large lianas in Gabon. *Global Ecology and Biogeography*, **2017**, 26, 472-485	6.1	13
32	Advancing an interdisciplinary framework to study seed dispersal ecology. *AoB PLANTS*, **2020**, 12, plz048	2.9	13
31	Is there tree senescence? The fecundity evidence. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13
30	A pantropical assessment of vertebrate physical damage to forest seedlings and the effects of defaunation. *Global Ecology and Conservation*, **2017**, 11, 188-195	2.8	12
29	Exploring the relation between remotely sensed vertical canopy structure and tree species diversity in Gabon. *Environmental Research Letters*, **2019**, 14, 094013	6.2	11
28	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. *Remote Sensing of Environment*, **2022**, 270, 112845	13.2	11
27	Experimental manipulation of seed shadows of an Afrotropical tree determines drivers of recruitment. *Ecology*, **2012**, 93, 500-10	4.6	10
26	Resistance of African tropical forests to an extreme climate anomaly. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	10
25	The NASA AfriSAR campaign: Airborne SAR and lidar measurements of tropical forest structure and biomass in support of current and future space missions. *Remote Sensing of Environment*, **2021**, 264, 112533	13.2	9
24	Unsustainable vs. Sustainable Hunting for Food in Gabon: Modeling Short- and Long-Term Gains and Losses. *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	8
23	Diet selection is related to breeding status in two frugivorous hornbill species of Central Africa. *Journal of Tropical Ecology*, **2014**, 30, 273-290	1.3	7
22	Old growth Afrotropical forests critical for maintaining forest carbon. *Global Ecology and Biogeography*, **2020**, 29, 1785-1798	6.1	7
21	LED flashlight technology facilitates wild meat extraction across the tropics. *Frontiers in Ecology and the Environment*, **2020**, 18, 489-495	5.5	7

20	Do topography and fruit presence influence occurrence and intensity of crop-raiding by forest elephants (Loxodonta africana cyclotis)?. *PLoS ONE*, **2019**, 14, e0213971	3.7	6
19	The number of tree species on Earth.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	6
18	Defaunation of large mammals alters understory vegetation and functional importance of invertebrates in an Afrotropical forest. *Biological Conservation*, **2020**, 241, 108329	6.2	6
17	Wanted: new allometric equations for large lianas and African lianas. *Biotropica*, **2016**, 48, 561-564	2.3	6
16	Low-intensity logging and hunting have long-term effects on seed dispersal but not fecundity in Afrotropical forests. *AoB PLANTS*, **2019**, 11, ply074	2.9	5
15	Natural regeneration of selected timber species in the Republic of Congo. *African Journal of Ecology*, **2014**, 52, 552-563	0.8	5
14	Stronger together: comparing and integrating camera trap, visual, and dung survey data in tropical forest communities. *Ecosphere*, **2019**, 10, e02965	3.1	5
13	Seed traits, not density or distance from parent, determine seed predation and establishment in an Afrotropical forest. *Biotropica*, **2018**, 50, 881-888	2.3	5
12	Climatic and Resource Determinants of Forest Elephant Movements. *Frontiers in Ecology and Evolution*, **2020**, 8,	3.7	4
11	Landscape-level validation of allometric relationships for carbon stock estimation reveals bias driven by soil type. *Ecological Applications*, **2019**, 29, e01987	4.9	4
10	Estimation of gut passage time of wild, free roaming forest elephants. *Wildlife Biology*, **2019**, 2019,	1.7	4
9	Wildlife Management in a Logging Concession in Northern Congo: Can Livelihoods be Maintained Through Sustainable Hunting?140-157		4
8	Assessing the effects of elephant foraging on the structure and diversity of an Afrotropical forest. *Biotropica*, **2020**, 52, 502-508	2.3	2
7	Predation on mammals by the grey-cheeked mangabeyLophocebus albigena. *Primates*, **2001**, 42, 391-394	1.7	2
6	African forest elephant movements depend on time scale and individual behavior. *Scientific Reports* , **2021**, 11, 12634	4.9	2
5	Long Distance Seed Dispersal by Forest Elephants. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	1
4	Expected carbon emissions from a rubber plantation in Central Africa. *Forest Ecology and Management*, **2021**, 480, 118668	3.9	1
3	From town to national park: Understanding the long-term effects of hunting and logging on tree communities in Central Africa. *Forest Ecology and Management*, **2021**, 499, 119571	3.9	0

2	No Dear John Letter Here These Guys Are Committed to Saving the African Jungles: The Arising Researcher. *Bulletin of the Ecological Society of America*, **2017**, 98, 36-37	0.7
1	The Role of Arboreal Seed Dispersal Groups on the Seed Rain of a Lowland Tropical Forest1. *Biotropica*, **2001**, 33, 606	2.3