

Rahel Sollmann

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

3,485
citations

159585

30
h-index

161849

54
g-index

89
all docs

89
docs citations

89
times ranked

3995
citing authors

#	ARTICLE	IF	CITATIONS
1	camtrapR: an R package for efficient camera trap data management. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1457-1462.	5.2	278
2	Risky business or simple solution â€“ Relative abundance indices from camera-trapping. <i>Biological Conservation</i> , 2013, 159, 405-412.	4.1	242
3	Improving density estimates for elusive carnivores: Accounting for sex-specific detection and movements using spatial captureâ€“recapture models for jaguars in central Brazil. <i>Biological Conservation</i> , 2011, 144, 1017-1024.	4.1	222
4	Jaguar and Puma Activity Patterns and Predatorâ€“Prey Interactions in Four Brazilian Biomes. <i>Biotropica</i> , 2013, 45, 373-379.	1.6	157
5	How Does Spatial Study Design Influence Density Estimates from Spatial Capture-Recapture Models?. <i>PLoS ONE</i> , 2012, 7, e34575.	2.5	156
6	Connecting Earth observation to high-throughput biodiversity data. <i>Nature Ecology and Evolution</i> , 2017, 1, 176.	7.8	156
7	A gentle introduction to cameraâ€“trap data analysis. <i>African Journal of Ecology</i> , 2018, 56, 740-749.	0.9	125
8	A spatial markâ€“resight model augmented with telemetry data. <i>Ecology</i> , 2013, 94, 553-559.	3.2	120
9	Coming down from the trees: Is terrestrial activity in Bornean orangutans natural or disturbance driven?. <i>Scientific Reports</i> , 2014, 4, 4024.	3.3	106
10	iDNA from terrestrial haematophagous leeches as a wildlife surveying and monitoring tool â€“ prospects, pitfalls and avenues to be developed. <i>Frontiers in Zoology</i> , 2015, 12, 24.	2.0	89
11	Comparing capture-recapture, mark-resight, and spatial mark-resight models for estimating puma densities via camera traps. <i>Journal of Mammalogy</i> , 2014, 95, 382-391.	1.3	84
12	Cover of tall trees best predicts California spotted owl habitat. <i>Forest Ecology and Management</i> , 2017, 405, 166-178.	3.2	80
13	Using multiple data sources provides density estimates for endangered Florida panther. <i>Journal of Applied Ecology</i> , 2013, 50, 961-968.	4.0	78
14	Using occupancy models to investigate space partitioning between two sympatric large predators, the jaguar and puma in central Brazil. <i>Mammalian Biology</i> , 2012, 77, 41-46.	1.5	71
15	Shifting up a gear with <scpi>iDNA</scpi>: From mammal detection events to standardised surveys. <i>Journal of Applied Ecology</i> , 2019, 56, 1637-1648.	4.0	71
16	Combining camera-trapping and noninvasive genetic data in a spatial captureâ€“recapture framework improves density estimates for the jaguar. <i>Biological Conservation</i> , 2013, 167, 242-247.	4.1	64
17	Density and habitat use of the leopard cat (<i>Prionailurus bengalensis</i>) in three commercial forest reserves in Sabah, Malaysian Borneo. <i>Journal of Mammalogy</i> , 2013, 94, 82-89.	1.3	57
18	Mentawaiâ€™s endemic, relictual fauna: is it evidence for Pleistocene extinctions on Sumatra?. <i>Journal of Biogeography</i> , 2012, 39, 1608-1620.	3.0	52

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19	Habitat degradation and indiscriminate hunting differentially impact faunal communities in the Southeast Asian tropical biodiversity hotspot. <i>Communications Biology</i> , 2019, 2, 396.	4.4	48
20	State space and movement specification in open population spatial capture–recapture models. <i>Ecology and Evolution</i> , 2018, 8, 10336-10344.	1.9	47
21	Home Range and Spatial Organization of Maned Wolves in the Brazilian Grasslands. <i>Journal of Mammalogy</i> , 2009, 90, 150-157.	1.3	44
22	A hierarchical distance sampling model to estimate abundance and covariate associations of species and communities. <i>Methods in Ecology and Evolution</i> , 2016, 7, 529-537.	5.2	43
23	An open–population hierarchical distance sampling model. <i>Ecology</i> , 2015, 96, 325-331.	3.2	42
24	A review of wildlife camera trapping trends across Africa. <i>African Journal of Ecology</i> , 2018, 56, 694-701.	0.9	42
25	Identifying conservation priorities in a defaunated tropical biodiversity hotspot. <i>Diversity and Distributions</i> , 2020, 26, 426-440.	4.1	42
26	Assessing analytical methods for detecting spatiotemporal interactions between species from camera trapping data. <i>Remote Sensing in Ecology and Conservation</i> , 2019, 5, 272-285.	4.3	40
27	Quantifying mammal biodiversity co–benefits in certified tropical forests. <i>Diversity and Distributions</i> , 2017, 23, 317-328.	4.1	39
28	Investigating the effects of forest structure on the small mammal community in frequent-fire coniferous forests using capture-recapture models for stratified populations. <i>Mammalian Biology</i> , 2015, 80, 247-254.	1.5	34
29	Density of the Near Threatened jaguar <i>Panthera onca</i> in the caatinga of north-eastern Brazil. <i>Oryx</i> , 2010, 44, 104.	1.0	33
30	Density of the Vulnerable Sunda clouded leopard <i>Neofelis diardi</i> in two commercial forest reserves in Sabah, Malaysian Borneo. <i>Oryx</i> , 2012, 46, 423-426.	1.0	33
31	The potential for large-scale wildlife corridors between protected areas in Brazil using the jaguar as a model species. <i>Landscape Ecology</i> , 2014, 29, 1213-1223.	4.2	30
32	Defining habitat covariates in camera-trap based occupancy studies. <i>Scientific Reports</i> , 2015, 5, 17041.	3.3	30
33	Use of Camera-Trapping to Estimate Puma Density and Influencing Factors in Central Brazil. <i>Journal of Wildlife Management</i> , 2010, 74, 1195-1203.	1.8	29
34	Effects of human land-use on Africa's only forest-dependent felid: The African golden cat <i>Caracal aurata</i> . <i>Biological Conservation</i> , 2016, 199, 1-9.	4.1	29
35	Bringing clarity to the clouded leopard <i>Neofelis diardi</i> : first density estimates from Sumatra. <i>Oryx</i> , 2014, 48, 536-539.	1.0	27
36	Resilience of terrestrial and aquatic fauna to historical and future wildfire regimes in western North America. <i>Ecology and Evolution</i> , 2021, 11, 12259-12284.	1.9	27

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37	Ocelot (<i>Leopardus pardalis</i>) Density in Central Amazonia. <i>PLoS ONE</i> , 2016, 11, e0154624.	2.5	26
38	Advances in population ecology and species interactions in mammals. <i>Journal of Mammalogy</i> , 2019, 100, 965-1007.	1.3	25
39	White-lipped peccary home-range size in a protected area and farmland in the central Brazilian grasslands. <i>Journal of Mammalogy</i> , 2013, 94, 137-145.	1.3	24
40	Range shifts under climate change and the role of protected areas for armadillos and anteaters. <i>Biological Conservation</i> , 2012, 152, 53-61.	4.1	23
41	Predator densities and white-tailed deer fawn survival. <i>Journal of Wildlife Management</i> , 2019, 83, 1261-1270.	1.8	23
42	Is the free-ranging jaguar (<i>Panthera onca</i>) a reservoir for <i>Cytauxzoon felis</i> in Brazil?. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 470-476.	2.7	22
43	Serosurvey of Smooth Brucella, <i>Leptospira</i> spp. and <i>Toxoplasma gondii</i> in Free-Ranging Jaguars (<i>Panthera onca</i>) and Domestic Animals from Brazil. <i>PLoS ONE</i> , 2015, 10, e0143816.	2.5	21
44	The impact of habitat fragmentation on the ecology of xenarthrans (Mammalia) in the Brazilian Cerrado. <i>Landscape Ecology</i> , 2013, 28, 259-269.	4.2	20
45	Remote Sensing in Ecology and Conservation: three years on. <i>Remote Sensing in Ecology and Conservation</i> , 2017, 3, 53-56.	4.3	20
46	SEROSURVEY FOR SELECTED VIRAL INFECTIONS IN FREE-RANGING JAGUARS (<i>PANTHERA ONCA</i>) AND DOMESTIC CARNIVORES IN BRAZILIAN CERRADO, PANTANAL, AND AMAZON. <i>Journal of Wildlife Diseases</i> , 2013, 49, 510-521.	0.8	19
47	Habitat associations in a recolonizing, low-density black bear population. <i>Ecosphere</i> , 2016, 7, e01406.	2.2	19
48	High Proportion of Male Faeces in Jaguar Populations. <i>PLoS ONE</i> , 2012, 7, e52923.	2.5	19
49	Landscape heterogeneity compensates for fuel reduction treatment effects on Northern flying squirrel populations. <i>Forest Ecology and Management</i> , 2016, 373, 100-107.	3.2	18
50	Mesocarnivore activity patterns in the semiarid Caatinga: limited by the harsh environment or affected by interspecific interactions?. <i>Journal of Mammalogy</i> , 2017, 98, 1732-1740.	1.3	18
51	Use of RFID technology to characterize feeder visitations and contact network of hummingbirds in urban habitats. <i>PLoS ONE</i> , 2018, 13, e0208057.	2.5	17
52	Wild dogs at stake: deforestation threatens the only Amazon endemic canid, the short-eared dog (<i>Canis...</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	2.4	17
53	Note on the diet of the jaguar in central Brazil. <i>European Journal of Wildlife Research</i> , 2013, 59, 445-448.	1.4	16
54	Genetic sampling for estimating density of common species. <i>Ecology and Evolution</i> , 2017, 7, 6210-6219.	1.9	16

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55	The role of detectability on bird population trend estimates in an open farmland landscape. <i>Biodiversity and Conservation</i> , 2020, 29, 1747-1765.	2.6	16
56	Maned Wolf Density in a Central Brazilian Grassland Reserve. <i>Journal of Wildlife Management</i> , 2009, 73, 68-71.	1.8	15
57	One or two cameras per station? Monitoring jaguars and other mammals in the Amazon. <i>Ecological Research</i> , 2012, 27, 639-648.	1.5	15
58	Predicting the offshore distribution and abundance of marine birds with a hierarchical community distance sampling model. <i>Ecological Applications</i> , 2016, 26, 1797-1815.	3.8	15
59	An integrated approach to measure hunting intensity and assess its impacts on mammal populations. <i>Journal of Applied Ecology</i> , 2020, 57, 2100-2111.	4.0	15
60	A new mark-recapture approach for abundance estimation of social species. <i>PLoS ONE</i> , 2018, 13, e0208726.	2.5	14
61	Estimating Deer Populations Using Camera Traps and Natural Marks. <i>Journal of Wildlife Management</i> , 2020, 84, 301-310.	1.8	14
62	A little-known endemic caught in the South-east Asian extinction crisis: the Annamite striped rabbit <i>Nesolagus timminsi</i> . <i>Oryx</i> , 2020, 54, 178-187.	1.0	13
63	Counting Sunda clouded leopards with confidence: incorporating individual heterogeneity in density estimates. <i>Oryx</i> , 2021, 55, 56-65.	1.0	12
64	Landscapes attributes and their consequences on jaguar <i>Panthera onca</i> and cattle depredation occurrence. <i>European Journal of Wildlife Research</i> , 2015, 61, 529-537.	1.4	11
65	Influence of body mass, sociality, and movement behavior on improved detection probabilities when using a second camera trap. <i>Global Ecology and Conservation</i> , 2019, 20, e00791.	2.1	11
66	First detection of feline hemoplasmas in free-ranging jaguars (<i>Panthera onca</i>). <i>Veterinary Microbiology</i> , 2018, 214, 75-80.	1.9	10
67	Occupancy-based diversity profiles: capturing biodiversity complexities while accounting for imperfect detection.. <i>Ecography</i> , 2021, 44, 975-986.	4.5	9
68	Divergent population trends following the cessation of legal grizzly bear hunting in southwestern British Columbia, Canada. <i>Biological Conservation</i> , 2019, 233, 247-254.	4.1	8
69	Effects of forest degradation on the moonrat <i>Echinosorex gymnura</i> in Sabah, Malaysian Borneo. <i>Mammalian Biology</i> , 2018, 93, 135-143.	1.5	6
70	Identifying refuges for Borneo's elusive Hose's civet. <i>Global Ecology and Conservation</i> , 2019, 17, e00531.	2.1	6
71	AMAZONIA CAMTRAP: A data set of mammal, bird, and reptile species recorded with camera traps in the Amazon forest. <i>Ecology</i> , 2022, 103, e3738.	3.2	6
72	Small mammal responses to fire severity mediated by vegetation characteristics and species traits. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	6

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73	Diversity of small mammals in the Sierra Nevada: filtering by natural selection or by anthropogenic activities?. <i>Journal of Mammalogy</i> , 0, , gyw158.	1.3	5
74	Fine-scale distributions of carnivores in a logging concession in Sarawak, Malaysian Borneo. <i>Mammalian Biology</i> , 2017, 86, 56-65.	1.5	5
75	Assessing Methods for Detecting Island Spotted Skunks. <i>Wildlife Society Bulletin</i> , 2020, 44, 309-313.	1.6	5
76	The potential of fallow management to promote steppe bird conservation within the next EU Common Agricultural Policy reform. <i>Journal of Applied Ecology</i> , 2021, 58, 1545-1556.	4.0	5
77	A hierarchical Nâ€mixture model to estimate behavioral variation and a case study of Neotropical birds. <i>Ecological Applications</i> , 2022, 32, e2632.	3.8	5
78	Vital rates of two small populations of brown bears in Canada and rangeâ€wide relationship between population size and trend. <i>Ecology and Evolution</i> , 2021, 11, 3422-3434.	1.9	4
79	Bats in the megafire: assessing speciesâ€™ site use in a postfire landscape in the Sierra Nevada. <i>Journal of Mammalogy</i> , 2022, 103, 111-123.	1.3	4
80	Role of microhabitat and temporal activity in facilitating coexistence of endemic carnivores on the California Channel Islands. <i>Journal of Mammalogy</i> , 2022, 103, 18-28.	1.3	4
81	A Bayesian Dirichlet process community occupancy model to estimate community structure and species similarity. <i>Ecological Applications</i> , 2021, 31, e02249.	3.8	3
82	Habitat associations of the Sunda stink-badger <i>Mydaus javanensis</i> in three forest reserves in Sabah, Malaysian Borneo. <i>Mammalian Biology</i> , 2018, 88, 75-80.	1.5	2
83	Food webs for three burn severities after wildfire in the Eldorado National Forest, California. <i>Scientific Data</i> , 2022, 9, .	5.3	2
84	New populations of pampas deer <i>Ozotoceros bezoarticus</i> discovered in threatened Amazonian savannah enclaves. <i>Oryx</i> , 2019, 53, 748-751.	1.0	1
85	Multipleâ€region, Nâ€mixture community model to assess associations of riparian area, fragmentation, and species richness. <i>Ecological Applications</i> , 0, , .	3.8	1