Peter Leimgruber

List of Publications by Year
in descending order

97 papers	5,582 citations	101384 36 h-index	88477 70 g-index
101 all docs	101 docs citations	101 times ranked	6842 citing authors

#	Article	IF	Citations
1	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. Science, 2018, 359, 466-469.	6.0	783
2	Free and open-access satellite data are key to biodiversity conservation. Biological Conservation, 2015, 182, 173-176.	1.9	305
3	Rigorous home range estimation with movement data: a new autocorrelated kernel density estimator. Ecology, 2015, 96, 1182-1188.	1.5	279
4	The Fate of Wild Tigers. BioScience, 2007, 57, 508-514.	2.2	256
5	Ten ways remote sensing can contribute to conservation. Conservation Biology, 2015, 29, 350-359.	2.4	180
6	From Fine-Scale Foraging to Home Ranges: A Semivariance Approach to Identifying Movement Modes across Spatiotemporal Scales. American Naturalist, 2014, 183, E154-E167.	1.0	176
7	Integrating movement ecology with biodiversity research - exploring new avenues to address spatiotemporal biodiversity dynamics. Movement Ecology, 2013, 1, 6.	1.3	169
8	In search of forage: predicting dynamic habitats of Mongolian gazelles using satellite‐based estimates of vegetation productivity. Journal of Applied Ecology, 2008, 45, 649-658.	1.9	167
9	How landscape dynamics link individual- to population-level movement patterns: a multispecies comparison of ungulate relocation data. Global Ecology and Biogeography, 2011, 20, 683-694.	2.7	152
10	Forest cover change patterns in Myanmar (Burma) 1990–2000. Environmental Conservation, 2005, 32, 356-364.	0.7	138
11	Community attitudes toward three protected areas in Upper Myanmar (Burma). Environmental Conservation, 2006, 33, 344-352.	0.7	126
12	Space Use and Movement of a Neotropical Top Predator: The Endangered Jaguar. PLoS ONE, 2016, 11, e0168176.	1.1	103
13	Predation on Artificial Nests in Large Forest Blocks. Journal of Wildlife Management, 1994, 58, 254.	0.7	102
14	Using Relative Abundance Indices from Camera-Trapping to Test Wildlife Conservation Hypotheses – An Example from Khao Yai National Park, Thailand. Tropical Conservation Science, 2011, 4, 113-131.	0.6	98
15	Losing a jewel—Rapid declines in Myanmar's intact forests from 2002-2014. PLoS ONE, 2017, 12, e0176364.	1.1	90
16	Sustainability Agenda for the Pantanal Wetland: Perspectives on a Collaborative Interface for Science, Policy, and Decision-Making. Tropical Conservation Science, 2019, 12, 194008291987263.	0.6	88
17	BEHAVIOR RATHER THAN DIET MEDIATES SEASONAL DIFFERENCES IN SEED DISPERSAL BY ASIAN ELEPHANTS. Ecology, 2008, 89, 2684-2691.	1.5	85
18	How far to go? Determinants of migration distance in land mammals. Ecology Letters, 2015, 18, 545-552.	3.0	81

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19	Problem-Elephant Translocation: Translocating the Problem and the Elephant?. PLoS ONE, 2012, 7, e50917.	1.1	74
20	Human Land-Use Practices Lead to Global Long-Term Increases in Photosynthetic Capacity. Remote Sensing, 2014, 6, 5717-5731.	1.8	65
21	Nonâ€Markovian maximum likelihood estimation of autocorrelated movement processes. Methods in Ecology and Evolution, 2014, 5, 462-472.	2.2	63
22	Estimating where and how animals travel: an optimal framework for path reconstruction from autocorrelated tracking data. Ecology, 2016, 97, 576-582.	1.5	60
23	Modeling population viability of captive elephants in Myanmar (Burma): implications for wild populations. Animal Conservation, 2008, 11, 198-205.	1.5	58
24	Spatial patterns in relative primary productivity and gazelle migration in the Eastern Steppes of Mongolia. Biological Conservation, 2001, 102, 205-212.	1.9	57
25	Correcting for missing and irregular data in homeâ€range estimation. Ecological Applications, 2018, 28, 1003-1010.	1.8	55
26	Why did the elephant cross the road? The complex response of wild elephants to a major road in Peninsular Malaysia. Biological Conservation, 2018, 218, 91-98.	1.9	55
27	Conserving the World's Finest Grassland Amidst Ambitious National Development. Conservation Biology, 2014, 28, 1736-1739.	2.4	54
28	Spatial and temporal deforestation dynamics in protected and unprotected dry forests: a case study from Myanmar (Burma). Biodiversity and Conservation, 2009, 18, 1001-1018.	1.2	51
29	Do Ranger Stations Deter Poaching Activity in National Parks in Thailand?. Biotropica, 2012, 44, 826-833.	0.8	51
30	Effects of body size on estimation of mammalian area requirements. Conservation Biology, 2020, 34, 1017-1028.	2.4	51
31	The Impact of Landsat Satellite Monitoring on Conservation Biology. Environmental Monitoring and Assessment, 2005, 106, 81-101.	1.3	50
32	Assessment of Mining Extent and Expansion in Myanmar Based on Freely-Available Satellite Imagery. Remote Sensing, 2016, 8, 912.	1.8	48
33	Modeling Movement of West Nile Virus in the Western Hemisphere. Vector-Borne and Zoonotic Diseases, 2006, 6, 128-139.	0.6	47
34	Resource selection in an apex predator and variation in response to local landscape characteristics. Biological Conservation, 2018, 228, 233-240.	1.9	46
35	Mapping Distinct Forest Types Improves Overall Forest Identification Based on Multi-Spectral Landsat Imagery for Myanmarâ€™s Tanintharyi Region. Remote Sensing, 2016, 8, 882.	1.8	45
36	Setting Priorities for Tiger Conservation. , 2010, , 143-161.		43

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37	Working with mahouts to explore the diet of work elephants in Myanmar (Burma). Ecological Research, 2008, 23, 1057-1064.	0.7	40
38	A mega-herd of more than 200,000 Mongolian gazelles Procapra gutturosa: a consequence of habitat quality. Oryx, 2009, 43, 149.	0.5	40
39	Occurrence of Three Felids across a Network of Protected Areas in Thailand: Prey, Intraguild, and Habitat Associations. Biotropica, 2012, 44, 810-817.	0.8	40
40	Conservation status of Asian elephants: the influence of habitat and governance. Biodiversity and Conservation, 2017, 26, 2067-2081.	1.2	40
41	Range collapse of a tropical cervid (Cervus eldi) and the extent of remaining habitat in central Myanmar. Animal Conservation, 1999, 2, 173-183.	1.5	39
42	Mapping Threatened Dry Deciduous Dipterocarp Forest in South-East Asia for Conservation Management. Tropical Conservation Science, 2014, 7, 597-613.	0.6	39
43	Challenges in the conservation of wide‐ranging nomadic species. Journal of Applied Ecology, 2019, 56, 1916-1926.	1.9	39
44	Influence of exurban development on bird species richness and diversity. Journal of Ornithology, 2011, 152, 461-471.	0.5	38
45	Perception of Human–Elephant Conflict and Conservation Attitudes of Affected Communities in Myanmar. Tropical Conservation Science, 2019, 12, 194008291983124.	0.6	38
46	Threshold Responses of Forest Birds to Landscape Changes around Exurban Development. PLoS ONE, 2013, 8, e67593.	1.1	38
47	Disentangling social interactions and environmental drivers in multi-individual wildlife tracking data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170007.	1.8	35
48	Increasing conservation translocation success by building social functionality in released populations. Global Ecology and Conservation, 2019, 18, e00604.	1.0	35
49	New elephant crisis in Asia—Early warning signs from Myanmar. PLoS ONE, 2018, 13, e0194113.	1.1	35
50	Percentage canopy cover – using Landsat imagery to delineate habitat for Myanmar's endangered Eld's deer (Cervus eldi). Animal Conservation, 2005, 8, 289-296.	1.5	33
51	Land cover in the Northern Forest Complex of Myanmar: new insights for conservation. Oryx, 2007, 41, 27-37.	0.5	33
52	Using Remote Sensing and Random Forest to Assess the Conservation Status of Critical Cerrado Habitats in Mato Grosso do Sul, Brazil. Land, 2016, 5, 12.	1.2	33
53	Death by a thousand huts? Effects of household presence on density and distribution of Mongolian gazelles. Conservation Letters, 2011, 4, 304-312.	2.8	31
54	Two sides of the same coin – Wildmeat consumption and illegal wildlife trade at the crossroads of Asia. Biological Conservation, 2019, 238, 108197.	1.9	31

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55	Human activities negatively impact distribution of ungulates in the Mongolian Gobi. Biological Conservation, 2016, 203, 168-175.	1.9	30
56	The environmental history of Chatthin Wildlife Sanctuary, a protected area in Myanmar (Burma). Journal of Environmental Management, 2004, 72, 205-216.	3.8	28
57	Water Use Patterns of Sympatric Przewalskiâ€™s Horse and Khulan: Interspecific Comparison Reveals Niche Differences. PLoS ONE, 2015, 10, e0132094.	1.1	27
58	Updated geographic range maps for giraffe, <i>Giraffa</i> spp., throughout subâ€Saharan Africa, and implications of changing distributions for conservation. Mammal Review, 2019, 49, 285-299.	2.2	27
59	Management Background and Release Conditions Structure Post-release Movements in Reintroduced Ungulates. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	26
60	Strength of Habitat and Landscape Metrics in Predicting Goldenâ€Headed Lion Tamarin Presence or Absence in Forest Patches in Southern Bahia, Brazil. Biotropica, 2010, 42, 388-397.	0.8	25
61	Mapping the distribution of dholes, Cuon alpinus (Canidae, Carnivora), in Thailand. Mammalia, 2012, 76, .	0.3	24
62	Periodic continuousâ€time movement models uncover behavioral changes of wild canids along anthropization gradients. Ecological Monographs, 2017, 87, 442-456.	2.4	23
63	Spatial distribution, connectivity, and the influence of scale: habitat availability for the endangered Mona Island rock iguana. Biodiversity and Conservation, 2009, 18, 905-917.	1.2	22
64	Spatiotemporal habitat dynamics of ungulates in unpredictable environments: The khulan (Equus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	21
65	Spatiotemporal dynamics of wild herbivore species richness and occupancy across a savannah rangeland: Implications for conservation. Biological Conservation, 2020, 242, 108436.	1.9	20
66	On the brink of extinctionâ€"Habitat selection of addax and dorcas gazelle across the Tin Toumma desert, Niger. Diversity and Distributions, 2017, 23, 581-591.	1.9	19
67	A Multi Sensor Approach to Forest Type Mapping for Advancing Monitoring of Sustainable Development Goals (SDG) in Myanmar. Remote Sensing, 2020, 12, 3220.	1.8	19
68	Priority contribution. The rediscovery of Gurney's Pitta Pitta gurneyi in Myanmar and an estimate of its population size based on remaining forest cover. Bird Conservation International, 2005, 15, 3-26.	0.7	18
69	Winter habitat and distribution of the endangered golden-cheeked warbler (Dendroica chrysoparia). Animal Conservation, 2000, 3, 45-59.	1.5	17
70	Demographic Tipping Points as Early Indicators of Vulnerability for Slow-Breeding Megafaunal Populations. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	17
71	Variability in nomadism: environmental gradients modulate the movement behaviors of dryland ungulates. Ecosphere, 2019, 10, e02924.	1.0	17
72	Survival probabilities of adult Mongolian gazelles. Journal of Wildlife Management, 2014, 78, 35-41.	0.7	15

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73	Drivers of Change in Myanmarâ€™s Wild Elephant Distribution. Tropical Conservation Science, 2016, 9, 194008291667374.	0.6	14
74	Habitat selection in natural and human-modified landscapes by capybaras (Hydrochoerus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	1.1	14
75	Moving through the mosaic: identifying critical linkage zones for large herbivores across a multipleâ€use African landscape. Landscape Ecology, 2021, 36, 1325-1340.	1.9	13
76	A quantitative assessment of the indirect impacts of human-elephant conflict. PLoS ONE, 2021, 16, e0253784.	1.1	13
77	A Preliminary Study on the Impact of Changing Shifting Cultivation Practices on Dry Season Forage for Asian Elephants in Sri Lanka. Tropical Conservation Science, 2013, 6, 770-780.	0.6	12
78	Effects of illegal grazing and invasive Lantana camara on Asian elephant habitat use. Biological Conservation, 2018, 220, 50-59.	1.9	12
79	Railway underpass location affects migration distance in Tibetan antelope (Pantholops hodgsonii). PLoS ONE, 2019, 14, e0211798.	1.1	10
80	Local People's Attitudes and Perceptions of Dholes (Cuon Alpinus) around Protected Areas in Southeastern Thailand. Tropical Conservation Science, 2014, 7, 765-780.	0.6	9
81	Behavioral Response of Satellite-collared Elephants to the Tsunami in Southern Sri Lanka. Biotropica, 2006, 38, 775-777.	0.8	8
82	Roads to Recovery or Catastrophic Loss. , 2010, , 493-506.		8
83	Short-term effects of GPS collars on the activity, behavior, and adrenal response of scimitar-horned oryx (Oryx dammah). PLoS ONE, 2020, 15, e0221843.	1.1	8
84	Human-modified landscapes alter home range and movement patterns of capybaras. Journal of Mammalogy, 2021, 102, 319-332.	0.6	8
85	Integrating Pixels, People, and Political Economy to Understand the Role of Armed Conflict and Geopolitics in Driving Deforestation: The Case of Myanmar. Remote Sensing, 2021, 13, 4589.	1.8	8
86	Increasing Anthropogenic Disturbance Restricts Wildebeest Movement Across East African Grazing Systems. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	7
87	Vertical habitat segregation as a mechanism for coexistence in sympatric rodents. Mammalian Biology, 2014, 79, 313-317.	0.8	5
88	The relationship between climate and adult body size in redback salamanders (Plethodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	5
89	Environmental Differences between Migratory and Resident Ungulatesâ€"Predicting Movement Strategies in Rocky Mountain Mule Deer (Odocoileus hemionus) with Remotely Sensed Plant Phenology, Snow, and Land Cover. Remote Sensing, 2019, 11, 1980.	1.8	5
90	Inside out: heart rate monitoring to advance the welfare and conservation of maned wolves (Chrysocyon brachyurus). , 2021, 9, coab044.		3

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91	Rural and urban views on elephants, conservation and poaching. Oryx, 2022, 56, 609-616.	0.5	3
92	Population structure and demography of Myanmarâ€™s conflict elephants. Global Ecology and Conservation, 2021, 31, e01828.	1.0	3
93	Conservation: Where can elephants roam inÂtheÂAnthropocene?. Current Biology, 2021, 31, R714-R716.	1.8	2
94	Detectability of the Critically Endangered Araucaria angustifolia Tree Using Worldview-2 Images, Google Earth Engine and UAV-LiDAR. Land, 2021, 10, 1316.	1.2	2
95	Design and development of power optimized satellite elephant collar with over the air programmability. , 2012, , .		1
96	Human movement influenced by perceived risk of wildlife encounters at fine scales: Evidence from central India. Biological Conservation, 2021, 254, 108945.	1.9	1
97	Corrigendum to: Human-modified landscapes alter home range and movement patterns of capybaras. Journal of Mammalogy, 0, , .	0.6	0