

E Emiel Van Loon

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

3,640
citations

136950

32
h-index

144013

57
g-index

83
all docs

83
docs citations

83
times ranked

5558
citing authors

#	ARTICLE	IF	CITATIONS
1	Songbird parents coordinate offspring provisioning at fine spatio-temporal scales. <i>Journal of Animal Ecology</i> , 2022, 91, 1316-1326.	2.8	9
2	Library inventory using a RFID wand: contribution of tag and book specific factors on the read rate. <i>Library Hi Tech</i> , 2021, 39, 368-379.	5.1	2
3	Long-distance migrants vary migratory behaviour as much as short-distance migrants: An individual-level comparison from a seabird species with diverse migration strategies. <i>Journal of Animal Ecology</i> , 2021, 90, 1058-1070.	2.8	23
4	Using natural travel paths to infer and compare primate cognition in the wild. <i>IScience</i> , 2021, 24, 102343.	4.1	19
5	Long-term stabilization of ¹⁵ N-labeled experimental NH ₄ ⁺ deposition in a temperate forest under high N deposition. <i>Science of the Total Environment</i> , 2021, 768, 144356.	8.0	5
6	Temporal patterns in offshore bird abundance during the breeding season at the Dutch North Sea coast. <i>Marine Biology</i> , 2021, 168, 1.	1.5	1
7	A Small-Scale Analysis of Elevational Species Richness and Beta Diversity Patterns of Arthropods on an Oceanic Island (Terceira, Azores). <i>Insects</i> , 2021, 12, 936.	2.2	7
8	Drivers of Vegetation Development, Biomass Production and the Initiation of Peat Formation in a Newly Constructed Wetland. <i>Ecosystems</i> , 2020, 23, 1019-1036.	3.4	9
9	A Large-Scale Experiment to Evaluate Control of Invasive Muskrats. <i>Wildlife Society Bulletin</i> , 2020, 44, 314-322.	1.6	0
10	Beyond the Last Glacial Maximum: Island endemism is best explained by long-lasting archipelago configurations. <i>Global Ecology and Biogeography</i> , 2019, 28, 184-197.	5.8	41
11	Decomposition of Standing Litter Biomass in Newly Constructed Wetlands Associated with Direct Effects of Sediment and Water Characteristics and the Composition and Activity of the Decomposer Community Using <i>Phragmites australis</i> as a Single Standard Substrate. <i>Wetlands</i> , 2019, 39, 113-125.	1.5	4
12	Biodiversity Observations Miner: A web application to unlock primary biodiversity data from published literature. <i>Biodiversity Data Journal</i> , 2019, 7, e28737.	0.8	5
13	Spiculous skeleton formation in the freshwater sponge <i>Ephydatia fluviatilis</i> under hypergravity conditions. <i>PeerJ</i> , 2019, 6, e6055.	2.0	11
14	A global spatially explicit database of changes in island palaeo-area and archipelago configuration during the late Quaternary. <i>Global Ecology and Biogeography</i> , 2018, 27, 500-505.	5.8	22
15	In Situ Clock Shift Reveals that the Sun Compass Contributes to Orientation in a Pelagic Seabird. <i>Current Biology</i> , 2018, 28, 275-279.e2.	3.9	16
16	Artificial light at night confounds broad-scale habitat use by migrating birds. <i>Ecology Letters</i> , 2018, 21, 356-364.	6.4	132
17	Extinction-driven changes in frugivore communities on oceanic islands. <i>Ecography</i> , 2018, 41, 1245-1255.	4.5	53
18	The <code>scp</code> package for reproducible and shareable species distribution modelling. <i>Methods in Ecology and Evolution</i> , 2018, 9, 260-268.	5.2	29

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19	Connectivity and seasonality cause rapid taxonomic and functional trait succession within an invertebrate community after stream restoration. <i>PLoS ONE</i> , 2018, 13, e0197182.	2.5	10
20	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , 2018, 5, 180226.	5.3	30
21	A historical perspective on the effects of trapping and controlling the muskrat (<i>Ondatra tiberica</i>). <i>Journal of Great Lakes Research</i> , 2017, 43, 107-114.	3.4	6
22	Balancing food and density dependence in the spatial distribution of an interference-prone forager. <i>Oikos</i> , 2017, 126, 1184-1196.	2.7	6
23	Geographic changes in the Aegean Sea since the Last Glacial Maximum: Postulating biogeographic effects of sea-level rise on islands. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 471, 108-119.	2.3	30
24	Short distance migrants travel as far as long distance migrants in lesser black-backed gulls (<i>Larus fuscus</i>). <i>Journal of Avian Biology</i> , 2017, 48, 49-57.	1.2	38
25	Analyzing time-ordered event data with missed observations. <i>Ecology and Evolution</i> , 2017, 7, 7362-7369.	1.9	5
26	Amazon forest dynamics under changing abiotic conditions in the early Miocene (Colombian). <i>Journal of Biogeography</i> , 2017, 44, 462-475.	3.0	23
27	Flap or soar? How a flight generalist responds to its aerial environment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150395.	4.0	73
28	Susceptibility of pollinators to ongoing landscape changes depends on landscape history. <i>Diversity and Distributions</i> , 2015, 21, 1129-1140.	4.1	43
29	Deriving movement properties and the effect of the environment from the Brownian bridge movement model in monkeys and birds. <i>Movement Ecology</i> , 2015, 3, 18.	2.8	13
30	A framework to classify error in animal-borne technologies. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	2.2	1
31	Sexually distinct foraging strategies in an omnivorous seabird. <i>Marine Biology</i> , 2015, 162, 1417-1428.	1.5	75
32	Individual specialization on fishery discards by lesser black-backed gulls (<i>Larus fuscus</i>). <i>ICES Journal of Marine Science</i> , 2015, 72, 1882-1891.	2.5	57
33	The effect of experienced individuals on navigation by king penguin chick pairs. <i>Animal Behaviour</i> , 2015, 104, 69-78.	1.9	10
34	From Birds to Bacteria: Generalised Velocity Jump Processes with Resting States. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 1213-1236.	1.9	15
35	Stacked space-time densities: a geovisualisation approach to explore dynamics of space use over time. <i>Geoinformatica</i> , 2015, 19, 85-115.	2.7	29
36	Cell Turnover and Detritus Production in Marine Sponges from Tropical and Temperate Benthic Ecosystems. <i>PLoS ONE</i> , 2014, 9, e109486.	2.5	86

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37	Macrophyte loss drives decadal change in benthic invertebrates in peatland drainage ditches. <i>Freshwater Biology</i> , 2014, 59, 114-126.	2.4	31
38	Eutrophication decreases distance decay of similarity in diatom communities. <i>Freshwater Biology</i> , 2014, 59, 1522-1531.	2.4	52
39	Fourteen Annually Repeated Droughts Suppressed Autotrophic Soil Respiration and Resulted in an Ecosystem Change. <i>Ecosystems</i> , 2014, 17, 242-257.	3.4	18
40	Filtering fens: Mechanisms explaining phosphorus-limited hotspots of biodiversity in wetlands adjacent to heavily fertilized areas. <i>Science of the Total Environment</i> , 2014, 481, 129-141.	8.0	10
41	Effect of wind, thermal convection, and variation in flight strategies on the daily rhythm and flight paths of migrating raptors at Georgia's Black Sea coast. <i>Journal of Field Ornithology</i> , 2014, 85, 40-55.	0.5	21
42	Linkages between benthic microbial and freshwater insect communities in degraded peatland ditches. <i>Ecological Indicators</i> , 2014, 46, 415-424.	6.3	8
43	The role of emergent vegetation in structuring aquatic insect communities in peatland drainage ditches. <i>Aquatic Ecology</i> , 2014, 48, 267-283.	1.5	7
44	Quantifying surface area changes of volcanic islands driven by Pleistocene sea level cycles: biogeographical implications for the Macaronesian archipelagos. <i>Journal of Biogeography</i> , 2014, 41, 1242-1254.	3.0	73
45	Resolution of navigational conflict in king penguin chicks. <i>Animal Behaviour</i> , 2014, 93, 221-228.	1.9	12
46	The influence of weather on the flight altitude of nocturnal migrants in mid-latitudes. <i>Ibis</i> , 2013, 155, 734-749.	1.9	52
47	Visualising Movement: The Seagull. <i>Significance</i> , 2013, 10, 40-42.	0.4	4
48	Fit-for-Purpose: Species Distribution Model Performance Depends on Evaluation Criteria – Dutch Hoverflies as a Case Study. <i>PLoS ONE</i> , 2013, 8, e63708.	2.5	207
49	Bird Radar Validation in the Field by Time-Referencing Line-Transect Surveys. <i>PLoS ONE</i> , 2013, 8, e74129.	2.5	27
50	Analysis and visualization of animal movement. <i>Biology Letters</i> , 2012, 8, 6-9.	2.3	37
51	From Sensor Data to Animal Behaviour: An Oystercatcher Example. <i>PLoS ONE</i> , 2012, 7, e37997.	2.5	119
52	Long-term litter input manipulation effects on production and properties of dissolved organic matter in the forest floor of a Norway spruce stand. <i>Plant and Soil</i> , 2012, 355, 407-416.	3.7	29
53	Quantifying flow-assistance and implications for movement research. <i>Journal of Theoretical Biology</i> , 2012, 308, 56-67.	1.7	77
54	RNCEP: global weather and climate data at your fingertips. <i>Methods in Ecology and Evolution</i> , 2012, 3, 65-70.	5.2	199

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55	Birds flee en mass from New Year's Eve fireworks. <i>Behavioral Ecology</i> , 2011, 22, 1173-1177.	2.2	33
56	Sensitivity of LISEM predicted catchment discharge to initial soil moisture content of soil profile. <i>Journal of Hydrology</i> , 2010, 393, 174-185.	5.4	28
57	Can wind help explain seasonal differences in avian migration speed?. <i>Journal of Avian Biology</i> , 2010, 41, 672-677.	1.2	88
58	Integrating Meteorology into Research on Migration. <i>Integrative and Comparative Biology</i> , 2010, 50, 280-292.	2.0	87
59	Stochastic atmospheric assistance and the use of emergency staging sites by migrants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1505-1511.	2.6	78
60	Improved reconstruction of palaeo-environments through unravelling of preserved vegetation biomarker patterns. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 285, 119-130.	2.3	32
61	Botanical richness and endemism patterns of Borneo derived from species distribution models. <i>Ecography</i> , 2009, 32, 180-192.	4.5	149
62	Identifying the most productive breeding sites for malaria mosquitoes in The Gambia. <i>Malaria Journal</i> , 2009, 8, 62.	2.3	101
63	Ecological correlates of species differences in the Lake Tanganyika crab radiation. <i>Hydrobiologia</i> , 2008, 615, 81-94.	2.0	19
64	Extracting bird migration information from C-band Doppler weather radars. <i>Ibis</i> , 2008, 150, 674-686.	1.9	33
65	Automatic identification of bird targets with radar via patterns produced by wing flapping. <i>Journal of the Royal Society Interface</i> , 2008, 5, 1041-1053.	3.4	80
66	Advancing Spatio-temporal Analysis of Ecological Data: Examples in R. <i>Lecture Notes in Computer Science</i> , 2008, , 692-707.	1.3	2
67	Avian Information Systems: Developing Web-Based Bird Avoidance Models. <i>Ecology and Society</i> , 2008, 13, .	2.3	27
68	Ecological correlates of species differences in the Lake Tanganyika crab radiation. , 2008, , 81-94.		0
69	BIRD SPECIES AND TRAITS ASSOCIATED WITH LOGGED AND UNLOGGED FOREST IN BORNEO. , 2007, 17, 1184-1197.		97
70	Analyzing the effect of wind on flight: pitfalls and solutions. <i>Journal of Experimental Biology</i> , 2007, 210, 82-90.	1.7	55
71	Comparing Performance and Parameterization of a One-Dimensional Unsaturated Zone Model across Scales. <i>Vadose Zone Journal</i> , 2007, 6, 638-650.	2.2	14
72	Modelling spatial scales of water erosion in the West Usambara Mountains of Tanzania. <i>Geomorphology</i> , 2006, 76, 26-42.	2.6	14

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73	A disaggregating approach to describe overland flow occurrence within a catchment. Journal of Hydrology, 2006, 323, 22-40.	5.4	9
74	Is there a connection between weather at departure sites, onset of migration and timing of soaring-bird autumn migration in Israel?. Global Ecology and Biogeography, 2006, 15, 541-552.	5.8	65
75	Matching hydrologic response to measured effective hydraulic conductivity. Hydrological Processes, 2006, 20, 487-504.	2.6	21
76	A Comparative Analysis of the Influence of Weather on the Flight Altitudes of Birds. Bulletin of the American Meteorological Society, 2006, 87, 47-62.	3.3	56
77	Impact of Incorrect Model Error Assumptions on the Sequential Assimilation of Remotely Sensed Surface Soil Moisture. Journal of Hydrometeorology, 2006, 7, 421-432.	1.9	132
78	Energetic influence on gull flight strategy selection. Journal of Experimental Biology, 2006, 209, 3489-3498.	1.7	38
79	Is there a connection between weather at departure sites, onset of migration and timing of soaring-bird autumn migration in Israel?. Global Ecology and Biogeography, 2006, .	5.8	3
80	Hillslope-storage Boussinesq model for subsurface flow and variable source areas along complex hillslopes: 1. Formulation and characteristic response. Water Resources Research, 2003, 39, .	4.2	233
81	Hillslope-storage Boussinesq model for subsurface flow and variable source areas along complex hillslopes: 2. Intercomparison with a three-dimensional Richards equation model. Water Resources Research, 2003, 39, .	4.2	94
82	Analytical solutions to a hillslope-storage kinematic wave equation for subsurface flow. Advances in Water Resources, 2002, 25, 637-649.	3.8	123
83	Identifying scale-dependent models: The case of overland flow at the hillslope scale. Water Resources Research, 2000, 36, 243-254.	4.2	8