

# Frank A La Sorte

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

6,013  
citations

87888

38  
h-index

79698

73  
g-index

83  
all docs

83  
docs citations

83  
times ranked

6653  
citing authors

#	ARTICLE	IF	CITATIONS
1	A global analysis of the impacts of urbanization on bird and plant diversity reveals key anthropogenic drivers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133330.	2.6	985
2	The eBird enterprise: An integrated approach to development and application of citizen science. <i>Biological Conservation</i> , 2014, 169, 31-40.	4.1	703
3	Projected range contractions of montane biodiversity under global warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3401-3410.	2.6	324
4	Hierarchical filters determine community assembly of urban species pools. <i>Ecology</i> , 2016, 97, 2952-2963.	3.2	281
5	POLEWARD SHIFTS IN WINTER RANGES OF NORTH AMERICAN BIRDS. <i>Ecology</i> , 2007, 88, 1803-1812.	3.2	277
6	Taking a "Big Data" approach to data quality in a citizen science project. <i>Ambio</i> , 2015, 44, 601-611.	5.5	144
7	Tracking of climatic niche boundaries under recent climate change. <i>Journal of Animal Ecology</i> , 2012, 81, 914-925.	2.8	129
8	The phylogenetic and functional diversity of regional breeding bird assemblages is reduced and constricted through urbanization. <i>Diversity and Distributions</i> , 2018, 24, 928-938.	4.1	110
9	Can Observation Skills of Citizen Scientists Be Estimated Using Species Accumulation Curves?. <i>PLoS ONE</i> , 2015, 10, e0139600.	2.5	107
10	Novel seasonal land cover associations for eastern North American forest birds identified through dynamic species distribution modelling. <i>Diversity and Distributions</i> , 2016, 22, 717-730.	4.1	105
11	The role of atmospheric conditions in the seasonal dynamics of North American migration flyways. <i>Journal of Biogeography</i> , 2014, 41, 1685-1696.	3.0	102
12	Seasonal abundance and survival of North America's migratory avifauna determined by weather radar. <i>Nature Ecology and Evolution</i> , 2018, 2, 1603-1609.	7.8	99
13	Compositional similarity among urban floras within and across continents: biogeographical consequences of human-mediated biotic interchange. <i>Global Change Biology</i> , 2007, 13, 913-921.	9.5	98
14	Seasonal associations with urban light pollution for nocturnally migrating bird populations. <i>Global Change Biology</i> , 2017, 23, 4609-4619.	9.5	94
15	Distance decay of similarity among European urban floras: the impact of anthropogenic activities on $\beta^2$ diversity. <i>Global Ecology and Biogeography</i> , 2008, 17, 363-371.	5.8	90
16	Beta diversity of urban floras among European and non-European cities. <i>Global Ecology and Biogeography</i> , 2014, 23, 769-779.	5.8	90
17	Convergence of broad-scale migration strategies in terrestrial birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152588.	2.6	87
18	Phenology of nocturnal avian migration has shifted at the continental scale. <i>Nature Climate Change</i> , 2020, 10, 63-68.	18.8	86

#	ARTICLE	IF	CITATIONS
19	Bright lights in the big cities: migratory birds's™ exposure to artificial light. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 209-214.	4.0	84
20	Phyloecology of urban alien floras. <i>Journal of Ecology</i> , 2009, 97, 1243-1251.	4.0	83
21	Population-level scaling of avian migration speed with body size and migration distance for powered fliers. <i>Ecology</i> , 2013, 94, 1839-1847.	3.2	71
22	Spring phenology of ecological productivity contributes to the use of looped migration strategies by birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140984.	2.6	68
23	Global change and the distributional dynamics of migratory bird populations wintering in Central America. <i>Global Change Biology</i> , 2017, 23, 5284-5296.	9.5	68
24	Global Patterns and Drivers of Urban Bird Diversity. , 2017, , 13-33.		67
25	Survey completeness of a global citizen-science database of bird occurrence. <i>Ecography</i> , 2020, 43, 34-43.	4.5	66
26	Disparities between observed and predicted impacts of climate change on winter bird assemblages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3167-3174.	2.6	65
27	Compositional changes over space and time along an occurrence-abundance continuum: anthropogenic homogenization of the North American avifauna. <i>Journal of Biogeography</i> , 2007, 34, 2159-2167.	3.0	62
28	The role of urban and agricultural areas during avian migration: an assessment of within-year temporal turnover. <i>Global Ecology and Biogeography</i> , 2014, 23, 1225-1234.	5.8	60
29	Holding steady: Little change in intensity or timing of bird migration over the Gulf of Mexico. <i>Global Change Biology</i> , 2019, 25, 1106-1118.	9.5	59
30	Opportunities and challenges for big data ornithology. <i>Condor</i> , 2018, 120, 414-426.	1.6	58
31	Migration timing and its determinants for nocturnal migratory birds during autumn migration. <i>Journal of Animal Ecology</i> , 2015, 84, 1202-1212.	2.8	55
32	The role of non-native plants and vertebrates in defining patterns of compositional dissimilarity within and across continents. <i>Global Ecology and Biogeography</i> , 2010, 19, 332-342.	5.8	52
33	A Research Agenda for Urban Biodiversity in the Global Extinction Crisis. <i>BioScience</i> , 2021, 71, 268-279.	4.9	51
34	Invasiveness and homogenization: synergism of wide dispersal and high local abundance. <i>Global Ecology and Biogeography</i> , 2007, 16, 394-400.	5.8	49
35	Compositional similarity and the distribution of geographical range size for assemblages of native and non-native species in urban floras. <i>Diversity and Distributions</i> , 2006, 12, 679-686.	4.1	47
36	Temporal turnover of common species in avian assemblages in North America. <i>Journal of Biogeography</i> , 2005, 32, 1151-1160.	3.0	46

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37	Citizen science data provides new insight into annual and seasonal variation in migration patterns. <i>Ecosphere</i> , 2015, 6, 1-19.	2.2	46
38	Migration distance, ecological barriers and en route variation in the migratory behaviour of terrestrial bird populations. <i>Global Ecology and Biogeography</i> , 2017, 26, 216-227.	5.8	44
39	Urban biodiversity: State of the science and future directions. <i>Urban Ecosystems</i> , 2022, 25, 1083-1096.	2.4	44
40	The compositional similarity of urban forests among the world's cities is scale dependent. <i>Global Ecology and Biogeography</i> , 2015, 24, 1413-1423.	5.8	42
41	M<scp>ist</scp>N<scp>et</scp>: Measuring historical bird migration in the US using archived weather radar data and convolutional neural networks. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1908-1922.	5.2	40
42	Geographical expansion and increased prevalence of common species in avian assemblages: implications for large-scale patterns of species richness. <i>Journal of Biogeography</i> , 2006, 33, 1183-1191.	3.0	38
43	Range-Wide Latitudinal and Elevational Temperature Gradients for the World's Terrestrial Birds: Implications under Global Climate Change. <i>PLoS ONE</i> , 2014, 9, e98361.	2.5	38
44	Area is the primary correlate of annual and seasonal patterns of avian species richness in urban green spaces. <i>Landscape and Urban Planning</i> , 2020, 203, 103892.	7.5	38
45	Navigating north: how body mass and winds shape avian flight behaviours across a North American migratory flyway. <i>Ecology Letters</i> , 2018, 21, 1055-1064.	6.4	37
46	Phylogenetic beta diversity of native and alien species in European urban floras. <i>Global Ecology and Biogeography</i> , 2012, 21, 751-759.	5.8	34
47	Extra-regional residence time as a correlate of plant invasiveness: European archaeophytes in North America. <i>Ecology</i> , 2009, 90, 2589-2597.	3.2	33
48	Projected changes in wind assistance under climate change for nocturnally migrating bird populations. <i>Global Change Biology</i> , 2019, 25, 589-601.	9.5	31
49	Phenological synchronization of seasonal bird migration with vegetation greenness across dietary guilds. <i>Journal of Animal Ecology</i> , 2021, 90, 343-355.	2.8	30
50	Changes in the diversity structure of avian assemblages in North America. <i>Global Ecology and Biogeography</i> , 2005, 14, 367-378.	5.8	29
51	Seasonal changes in the altitudinal distribution of nocturnally migrating birds during autumn migration. <i>Royal Society Open Science</i> , 2015, 2, 150347.	2.4	29
52	Habitat and landscape effects on abundance of Missouri's grassland birds. <i>Journal of Wildlife Management</i> , 2012, 76, 372-381.	1.8	28
53	Comparison of Methods for Estimating Bird Abundance and Trends From Historical Count Data. <i>Journal of Wildlife Management</i> , 2008, 72, 1674-1682.	1.8	26
54	The diversity and abundance of North American bird assemblages fail to track changing productivity. <i>Ecology</i> , 2015, 96, 1105-1114.	3.2	25

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55	Projected changes in prevailing winds for transatlantic migratory birds under global warming. <i>Journal of Animal Ecology</i> , 2017, 86, 273-284.	2.8	23
56	Range maps and species richness patterns: errors of commission and estimates of uncertainty. <i>Ecography</i> , 2007, 30, 649-662.	4.5	22
57	Geographical Constraints Are Stronger than Invasion Patterns for European Urban Floras. <i>PLoS ONE</i> , 2014, 9, e85661.	2.5	22
58	Seasonal variation in the effects of artificial light at night on the occurrence of nocturnally migrating birds in urban areas. <i>Environmental Pollution</i> , 2021, 270, 116085.	7.5	22
59	HABITAT ASSOCIATIONS OF SYMPATRIC RED-TAILED HAWKS AND NORTHERN GOSHAWKS ON THE KAIBAB PLATEAU. <i>Journal of Wildlife Management</i> , 2004, 68, 307-317.	1.8	19
60	Seasonal associations with novel climates for North American migratory bird populations. <i>Ecology Letters</i> , 2018, 21, 845-856.	6.4	18
61	Phenotypic population divergence in terrestrial vertebrates at macro scales. <i>Ecology Letters</i> , 2009, 12, 1137-1146.	6.4	17
62	The implications of mid-latitude climate extremes for North American migratory bird populations. <i>Ecosphere</i> , 2016, 7, e01261.	2.2	17
63	Higher Nest Predation Favors Rapid Fledging at the Cost of Plumage Quality in Nestling Birds. <i>American Naturalist</i> , 2019, 193, 717-724.	2.1	17
64	Time of emergence of novel climates for North American migratory bird populations. <i>Ecography</i> , 2019, 42, 1079-1091.	4.5	17
65	Global trends in the frequency and duration of temperature extremes. <i>Climatic Change</i> , 2021, 166, 1.	3.6	17
66	Documenting stewardship responsibilities across the annual cycle for birds on U.S. public lands. , 2015, 25, 39-51.		15
67	Geographical associations with anthropogenic noise pollution for North American breeding birds. <i>Global Ecology and Biogeography</i> , 2020, 29, 148-158.	5.8	15
68	Bird strikes at commercial airports explained by citizen science and weather radar data. <i>Journal of Applied Ecology</i> , 2021, 58, 2029-2039.	4.0	14
69	Exposure to noise pollution across North American passerines supports the noise filter hypothesis. <i>Global Ecology and Biogeography</i> , 2020, 29, 1430-1434.	5.8	12
70	Seasonal associations with light pollution trends for nocturnally migrating bird populations. <i>Ecosphere</i> , 2022, 13, .	2.2	12
71	Extreme uncertainty and unquantifiable bias do not inform population sizes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113862119.	7.1	11
72	The role of artificial light at night and road density in predicting the seasonal occurrence of nocturnally migrating birds. <i>Diversity and Distributions</i> , 2022, 28, 992-1009.	4.1	11

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73	Fruiting Season Length Restricts Global Distribution of Female-Only Parental Care in Frugivorous Passerine Birds. PLoS ONE, 2016, 11, e0154871.	2.5	9
74	Assessing the combined threats of artificial light at night and air pollution for the world's nocturnally migrating birds. Global Ecology and Biogeography, 2022, 31, 912-924.	5.8	9
75	Continental-scale biomass redistribution by migratory birds in response to seasonal variation in productivity. Global Ecology and Biogeography, 2022, 31, 727-739.	5.8	9
76	Estimating the movements of terrestrial animal populations using broad-scale occurrence data. Movement Ecology, 2021, 9, 60.	2.8	8
77	British plants as aliens in New Zealand cities: residence time moderates their impact on the beta diversity of urban floras. Biological Invasions, 2017, 19, 3589-3599.	2.4	7
78	Statistical inference on tree swallow migrations with random forests. Journal of the Royal Statistical Society Series C: Applied Statistics, 2020, 69, 973-989.	1.0	5
79	The correlation between eBird community science and weather surveillance radar-based estimates of migration phenology. Global Ecology and Biogeography, 2022, 31, 2219-2230.	5.8	5
80	The island biogeography of the eBird citizen-science programme. Journal of Biogeography, 2021, 48, 628-638.	3.0	4
81	Warmer Summers and Drier Winters Correlate with More Winter Vagrant Purple Gallinules ( <i>Porphyrio martinicus</i> ) in the North Atlantic Region. Wilson Journal of Ornithology, 2015, 127, 582-592.	0.2	2
82	The Bird-Friendly City: Creating Safe Urban Habitats. Condor, 0, , .	1.6	0
83	A multiscale assessment of the diversity of New Zealand's nursery trees. Urban Forestry and Urban Greening, 2022, 68, 127468.	5.3	0