Shannon L Ladeau

List of Publications by Year
in descending order

70 papers	4,421 citations	117625 34 h-index	118850 62 g-index
75 all docs	75 docs citations	75 times ranked	6457 citing authors

#	Article	IF	Citations
1	West Nile virus emergence and large-scale declines of North American bird populations. Nature, 2007, 447, 710-713.	27.8	413
2	Reâ€assessment of plant carbon dynamics at the Duke freeâ€air CO₂ enrichment site: interactions of atmospheric [CO₂] with nitrogen and water availability over stand development. New Phytologist, 2010, 185, 514-528.	7.3	242
3	Ecological forecasting and data assimilation in a data-rich era. , 2011, 21, 1429-1442.		215
4	Climate, environmental and socio-economic change: weighing up the balance in vector-borne disease transmission. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130551.	4.0	215
5	Resolving the biodiversity paradox. Ecology Letters, 2007, 10, 647-659.	6.4	185
6	Rising CO2 Levels and the Fecundity of Forest Trees. Science, 2001, 292, 95-98.	12.6	169
7	Climate change, ecosystems and abrupt change: science priorities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190105.	4.0	169
8	Ecology of West Nile Virus Transmission and its Impact on Birds in the Western Hemisphere. Auk, 2007, 124, 1121-1136.	1.4	164
9	PREDICTING BIODIVERSITY CHANGE: OUTSIDE THE CLIMATE ENVELOPE, BEYOND THE SPECIESâ€“AREA CURVE. Ecology, 2006, 87, 1896-1906.	3.2	160
10	FECUNDITY OF TREES AND THE COLONIZATIONâ€“COMPETITION HYPOTHESIS. Ecological Monographs, 2004, 74, 415-442.	5.4	152
11	The ecological foundations of transmission potential and vectorâ€borne disease in urban landscapes. Functional Ecology, 2015, 29, 889-901.	3.6	144
12	Highâ€dimensional coexistence based on individual variation: a synthesis of evidence. Ecological Monographs, 2010, 80, 569-608.	5.4	141
13	Dynamic heterogeneity: a framework to promote ecological integration and hypothesis generation in urban systems. Urban Ecosystems, 2017, 20, 1-14.	2.4	140
14	ECOLOGY OF WEST NILE VIRUS TRANSMISSION AND ITS IMPACT ON BIRDS IN THE WESTERN HEMISPHERE. Auk, 2007, 124, 1121.	1.4	135
15	EXPLOITING TEMPORAL VARIABILITY TO UNDERSTAND TREE RECRUITMENT RESPONSE TO CLIMATE CHANGE. Ecological Monographs, 2007, 77, 163-177.	5.4	120
16	Higher Mosquito Production in Low-Income Neighborhoods of Baltimore and Washington, DC: Understanding Ecological Drivers and Mosquito-Borne Disease Risk in Temperate Cities. International Journal of Environmental Research and Public Health, 2013, 10, 1505-1526.	2.6	108
17	Range-wide effects of breeding- and nonbreeding-season climate on the abundance of a Neotropical migrant songbird. Ecology, 2011, 92, 1789-1798.	3.2	84
18	TREE GROWTH INFERENCE AND PREDICTION FROM DIAMETER CENSUSES AND RING WIDTHS. Ecological Applications, 2007, 17, 1942-1953.	3.8	78

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19	The Next Decade of Big Data in Ecosystem Science. Ecosystems, 2017, 20, 274-283.	3.4	68
20	Spatial and Temporal Habitat Segregation of Mosquitoes in Urban Florida. PLoS ONE, 2014, 9, e91655.	2.5	66
21	Pollen production byPinus taedagrowing in elevated atmospheric CO2. Functional Ecology, 2006, 20, 541-547.	3.6	65
22	Socio-Ecological Mechanisms Supporting High Densities of Aedes albopictus (Diptera: Culicidae) in Baltimore, MD. Journal of Medical Entomology, 2017, 54, 1183-1192.	1.8	60
23	Communicating with the public: opportunities and rewards for individual ecologists. Frontiers in Ecology and the Environment, 2010, 8, 292-298.	4.0	58
24	Socioeconomic Status Affects Mosquito (Diptera: Culicidae) Larval Habitat Type Availability and Infestation Level. Journal of Medical Entomology, 2013, 50, 764-772.	1.8	57
25	The Role of Vector Trait Variation in Vector-Borne Disease Dynamics. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	57
26	Linking Mosquito Infestation to Resident Socioeconomic Status, Knowledge, and Source Reduction Practices in Suburban Washington, DC. EcoHealth, 2013, 10, 36-47.	2.0	55
27	Primary blood-hosts of mosquitoes are influenced by social and ecological conditions in a complex urban landscape. Parasites and Vectors, 2018, 11, 218.	2.5	55
28	Defining the Risk of Zika and Chikungunya Virus Transmission in Human Population Centers of the Eastern United States. PLoS Neglected Tropical Diseases, 2017, 11, e0005255.	3.0	54
29	Elevated CO2 and tree fecundity: the role of tree size, interannual variability, and population heterogeneity. Global Change Biology, 2006, 12, 822-833.	9.5	51
30	Greater seed production in elevated CO₂ is not accompanied by reduced seed quality in Pinus taeda L.. Global Change Biology, 2010, 16, 1046-1056.	9.5	50
31	Dataâ€“model fusion to better understand emerging pathogens and improve infectious disease forecasting. , 2011, 21, 1443-1460.		49
32	Modeling Seed Dispersal Distances: Implications For Transgenic Pinus Taeda. , 2006, 16, 117-124.		44
33	Climate change and species interactions: ways forward. Annals of the New York Academy of Sciences, 2013, 1297, 1-7.	3.8	44
34	Studying citizen science through adaptive management and learning feedbacks as mechanisms for improving conservation. Conservation Biology, 2016, 30, 487-495.	4.7	44
35	West Nile Virus Revisited: Consequences for North American Ecology. BioScience, 2008, 58, 937-946.	4.9	42
36	A Tale of Two City Blocks: Differences in Immature and Adult Mosquito Abundances between Socioeconomically Different Urban Blocks in Baltimore (Maryland, USA). International Journal of Environmental Research and Public Health, 2014, 11, 3256-3270.	2.6	42

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37	Citizen Science as a Tool for Mosquito Control. Journal of the American Mosquito Control Association, 2017, 33, 241-245.	0.7	40
38	West Nile virus impacts in American crow populations are associated with human land use and climate. Ecological Research, 2011, 26, 909-916.	1.5	31
39	Tickâ€‚mosquitoâ€‚and rodentâ€‚borne parasite sampling designs for the National Ecological Observatory Network. Ecosphere, 2016, 7, e01271.	2.2	31
40	When is a parasite not a parasite? Effects of larval tick burdens on whiteâ€‚footed mouse survival. Ecology, 2014, 95, 1360-1369.	3.2	26
41	Effectiveness of Print Education at Reducing Urban Mosquito Infestation through Improved Resident-Based Management. PLoS ONE, 2016, 11, e0155011.	2.5	25
42	Parasite and pathogen effects on ecosystem processes: A quantitative review. Ecosphere, 2020, 11, e03057.	2.2	22
43	Effects of tire leachate on the invasive mosquito Aedes albopictus and the native congener Aedes triseriatus. PeerJ, 2017, 5, e3756.	2.0	22
44	Reducing Aedes albopictus breeding sites through education: A study in urban area. PLoS ONE, 2018, 13, e0202451.	2.5	21
45	Theoretical Perspectives of the Baltimore Ecosystem Study: Conceptual Evolution in a Socialâ€“Ecological Research Project. BioScience, 2020, 70, 297-314.	4.9	20
46	Design for mosquito abundance, diversity, and phenology sampling within the National Ecological Observatory Network. Ecosphere, 2016, 7, e01320.	2.2	18
47	Assessing Effectiveness of Recommended Residential Yard Management Measures Against Ticks. Journal of Medical Entomology, 2019, 56, 1420-1427.	1.8	14
48	Advances in modeling highlight a tension between analytical accuracy and accessibility. Ecology, 2010, 91, 3488-3492.	3.2	13
49	Reflecting on Efforts to Design an Inclusive Citizen Science Project in West Baltimore. Citizen Science: Theory and Practice, 2019, 4, .	1.2	13
50	Citizen science and civic ecology: merging paths to stewardship. Journal of Environmental Studies and Sciences, 2019, 9, 133-143.	2.0	12
51	Knowledge, Attitude, and Practices Survey in Greece before the Implementation of Sterile Insect Technique against Aedes albopictus. Insects, 2021, 12, 212.	2.2	12
52	Infectious hematopoietic necrosis virus virological and genetic surveillance 2000â€“2012. Ecology, 2017, 98, 283-283.	3.2	11
53	Beyond â€œthe Mosquito Peopleâ€: The Challenges of Engaging Community for Environmental Justice in Infested Urban Spaces. , 2018, , 295-318.		11
54	Higher West Nile Virus Infection in Aedes albopictus (Diptera: Culicidae) and Culex (Diptera: Culicidae) Mosquitoes From Lower Income Neighborhoods in Urban Baltimore, MD. Journal of Medical Entomology, 2021, 58, 1424-1428.	1.8	11

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55	Transmission routes maintaining a viral pathogen of steelhead trout within a complex multiâ€host assemblage. Ecology and Evolution, 2017, 7, 8187-8200.	1.9	10
56	Aedes albopictus Body Size Differs Across Neighborhoods With Varying Infrastructural Abandonment. Journal of Medical Entomology, 2020, 57, 615-619.	1.8	9
57	Effects of Detritus on the Mosquito Culex pipiens: Phragmites and Schedonorus (Festuca) Invasion Affect Population Performance. International Journal of Environmental Research and Public Health, 2019, 16, 4118.	2.6	7
58	Relationships Among Immature-Stage Metrics and Adult Abundances of Mosquito Populations in Baltimore, MD. Journal of Medical Entomology, 2019, 56, 192-198.	1.8	7
59	Using nearâ€term forecasts and uncertainty partitioning to inform prediction of oligotrophic lake cyanobacterial density. Ecological Applications, 2022, 32, e2590.	3.8	6
60	An epidemiological model of virus transmission in salmonid fishes of the Columbia River Basin. Ecological Modelling, 2018, 377, 1-15.	2.5	5
61	Knowing nature and community through mosquitoes: reframing pest management through lay vector ecologies. Local Environment, 2019, 24, 1119-1135.	2.4	5
62	Infectious hematopoietic necrosis virus specialization in a multihost salmonid system. Evolutionary Applications, 2020, 13, 1841-1853.	3.1	5
63	Condition-Specific Competitive Effects of the Invasive Mosquito Aedes albopictus on the Resident Culex pipiens among Different Urban Container Habitats May Explain Their Coexistence in the Field. Insects, 2021, 12, 993.	2.2	5
64	Changes in Container-Breeding Mosquito Diversity and Abundance Along an Urbanization Gradient are Associated With Dominance of Arboviral Vectors. Journal of Medical Entomology, 2022, 59, 843-854.	1.8	4
65	Using a birdfeeder network to explore the effects of suburban design on invasive and native birds. Avian Conservation and Ecology, 2019, 14, .	0.8	3
66	More than Green: tree structure and biodiversity patterns differ across canopy change regimes in Baltimoreâ€™s urban forest. Urban Forestry and Urban Greening, 2021, 65, 127365.	5.3	3
67	The Emergence of Disease Ecology. Japanese Journal of Zoo and Wildlife Medicine, 2016, 21, 53-58.	0.2	0
68	Reframing communication about Zika and mosquitoes to increase disease prevention behavior. Cogent Environmental Science, 2017, 3, 1402498.	1.6	0
69	Rodents harbouring zoonotic pathogens take advantage of abandoned land in postâ€Katrina New Orleans. Molecular Ecology, 2021, 30, 1943-1945.	3.9	0
70	Elevated CO2and tree fecundity: the role of tree size, interannual variability, and population heterogeneity. Global Change Biology, 2007, .	9.5	0