Josh T Ackerman

List of Publications by Year
in descending order

139	4,461	94433	138484
papers	citations	37 h-index	58 g-index

154	154	154	3852
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Avian mercury exposure and toxicological risk across western North America: A synthesis. Science of the Total Environment, 2016, 568, 749-769.	8.0	213
2	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. Science of the Total Environment, 2019, 696, 133792.	8.0	184
3	Spatial and temporal patterns of mercury concentrations in freshwater fish across the Western United States and Canada. Science of the Total Environment, 2016, 568, 1171-1184.	8.0	125
4	Mercury in western North America: A synthesis of environmental contamination, fluxes, bioaccumulation, and risk to fish and wildlife. Science of the Total Environment, 2016, 568, 1213-1226.	8.0	116
5	Mercury demethylation in waterbird livers: Doseâ€“response thresholds and differences among species. Environmental Toxicology and Chemistry, 2009, 28, 568-577.	4.3	112
6	Mercury correlations among six tissues for four waterbird species breeding in San Francisco Bay, California, USA. Environmental Toxicology and Chemistry, 2008, 27, 2136-2153.	4.3	108
7	Bird Mercury Concentrations Change Rapidly as Chicks Age: Toxicological Risk is Highest at Hatching and Fledging. Environmental Science & Technology, 2011, 45, 5418-5425.	10.0	99
8	Methylmercury exposure in wildlife: A review of the ecological and physiological processes affecting contaminant concentrations and their interpretation. Science of the Total Environment, 2020, 711, 135117.	8.0	96
9	Exploring individual quality: basal metabolic rate and reproductive performance in storm-petrels. Behavioral Ecology, 2005, 16, 906-913.	2.2	92
10	Mercury cycling in agricultural and managed wetlands: A synthesis of methylmercury production, hydrologic export, and bioaccumulation from an integrated field study. Science of the Total Environment, 2014, 484, 221-231.	8.0	85
11	Maternal transfer of contaminants in birds: Mercury and selenium concentrations in parents and their eggs. Environmental Pollution, 2016, 210, 145-154.	7.5	85
12	Effects of investigator disturbance on hatching success and nest-site fidelity in a long-lived seabird, Leach's storm-petrel. Biological Conservation, 2004, 116, 141-148.	4.1	81
13	Mercury bioaccumulation and risk to three waterbird foraging guilds is influenced by foraging ecology and breeding stage. Environmental Pollution, 2009, 157, 1993-2002.	7.5	79
14	Ecological insights from three decades of animal movement tracking across a changing Arctic. Science, 2020, 370, 712-715.	12.6	75
15	Tidal Influence on Spatial Dynamics of Leopard Sharks, Triakis semifasciata, in Tomales Bay, California. Environmental Biology of Fishes, 2000, 58, 33-43.	1.0	73
16	MERCURY CONCENTRATIONS IN BLOOD AND FEATHERS OF PREBREEDING FORSTER'S TERNS IN RELATION TO SPACE USE OF SAN FRANCISCO BAY, CALIFORNIA, USA, HABITATS. Environmental Toxicology and Chemistry, 2008, 27, 897.	4.3	73
17	Mercury concentrations and space use of pre-breeding American avocets and black-necked stilts in San Francisco Bay. Science of the Total Environment, 2007, 384, 452-466.	8.0	71
18	Methylmercury is the Predominant Form of Mercury in Bird Eggs: A Synthesis. Environmental Science & Technology, 2013, 47, 2052-2060.	10.0	71

#	Article	IF	Citations
19	Migration strategy affects avian influenza dynamics in mallards (<scp>A</scp>nas) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1	3.9	66
20	Of mice and mallards: positive indirect effects of coexisting prey on waterfowl nest success. Oikos, 2002, 99, 469-480.	2.7	63
21	Vocal Activity as a Low Cost and Scalable Index of Seabird Colony Size. Conservation Biology, 2014, 28, 1100-1108.	4.7	61
22	Demethylation of Methylmercury in Bird, Fish, and Earthworm. Environmental Science & Technology, 2021, 55, 1527-1534.	10.0	61
23	Cross-Seasonal Patterns of Avian Influenza Virus in Breeding and Wintering Migratory Birds: A Flyway Perspective. Vector-Borne and Zoonotic Diseases, 2012, 12, 243-253.	1.5	56
24	Spatial Use by Wintering Greater White-Fronted Geese Relative to a Decade of Habitat Change in California's Central Valley. Journal of Wildlife Management, 2006, 70, 965-976.	1.8	55
25	Mercury cycling in agricultural and managed wetlands of California, USA: Seasonal influences of vegetation on mercury methylation, storage, and transport. Science of the Total Environment, 2014, 484, 308-318.	8.0	55
26	Cues for investment: nest desertion in response to partial clutch depredation in dabbling ducks. Animal Behaviour, 2003, 66, 871-883.	1.9	53
27	Does mercury contamination reduce body condition of endangered California clapper rails?. Environmental Pollution, 2012, 162, 439-448.	7.5	53
28	Agricultural Wetlands as Potential Hotspots for Mercury Bioaccumulation: Experimental Evidence Using Caged Fish. Environmental Science & Technology, 2010, 44, 1451-1457.	10.0	52
29	Is predation on waterfowl nests density dependent? - Tests at three spatial scales. Oikos, 2004, 107, 128-140.	2.7	50
30	Mercury bioaccumulation in estuarine wetland fishes: Evaluating habitats and risk to coastal wildlife. Environmental Pollution, 2014, 193, 147-155.	7.5	47
31	Reservoirs and water management influence fish mercury concentrations in the western United States and Canada. Science of the Total Environment, 2016, 568, 739-748.	8.0	47
32	Mercury Concentrations Vary Within and Among Individual Bird Feathers: A Critical Evaluation and Guidelines for Feather Use in Mercury Monitoring Programs. Environmental Toxicology and Chemistry, 2019, 38, 1164-1187.	4.3	47
33	Current versus future reproduction: an experimental test of parental investment decisions using nest desertion by mallards (Anas platyrhynchos). Behavioral Ecology and Sociobiology, 2003, 54, 264-273.	1.4	46
34	Oxidative stress response of Forster's terns (Sterna forsteri) and Caspian terns (Hydroprogne caspia) to mercury and selenium bioaccumulation in liver, kidney, and brain. Environmental Toxicology and Chemistry, 2011, 30, 920-929.	4.3	46
35	Mercury contamination and effects on survival of American avocet and black-necked stilt chicks in San Francisco Bay. Ecotoxicology, 2008, 17, 103-116.	2.4	45
36	Effects of radiotransmitters on the reproductive performance of Cassinâ€™s auklets. Wildlife Society Bulletin, 2004, 32, 1229-1241.	1.6	43

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37	Integrating Toxicity Risk in Bird Eggs and Chicks: Using Chick Down Feathers To Estimate Mercury Concentrations in Eggs. Environmental Science & Technology, 2009, 43, 2166-2172.	10.0	41
38	Mercury and methylmercury in aquatic sediment across western North America. Science of the Total Environment, 2016, 568, 727-738.	8.0	39
39	Mercury contamination in resident and migrant songbirds and potential effects on body condition. Environmental Pollution, 2019, 246, 797-810.	7.5	39
40	Rapid Changes in Small Fish Mercury Concentrations in Estuarine Wetlands: Implications for Wildlife Risk and Monitoring Programs. Environmental Science & Technology, 2009, 43, 8658-8664.	10.0	38
41	Mercury Exposure May Suppress Baseline Corticosterone Levels in Juvenile Birds. Environmental Science & Technology, 2012, 46, 6339-6346.	10.0	38
42	GPS tracking data reveals daily spatio-temporal movement patterns of waterfowl. Movement Ecology, 2019, 7, 6.	2.8	37
43	Waterfowl Ecology and Avian Influenza in California: Do Host Traits Inform Us About Viral Occurrence?. Avian Diseases, 2010, 54, 426-432.	1.0	36
44	Accuracy of Egg Flotation Throughout Incubation to Determine Embryo Age and Incubation Day in Waterbird Nests. Condor, 2010, 112, 438-446.	1.6	34
45	Mercury risk to avian piscivores across western United States and Canada. Science of the Total Environment, 2016, 568, 685-696.	8.0	33
46	Influenza A viruses remain infectious for more than seven months in northern wetlands of North America. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201680.	2.6	33
47	Synthesis of Maternal Transfer of Mercury in Birds: Implications for Altered Toxicity Risk. Environmental Science & Technology, 2020, 54, 2878-2891.	10.0	32
48	Density-dependent nest predation in waterfowl: the relative importance of nest density versus nest dispersion. Oecologia, 2012, 169, 695-702.	2.0	31
49	Marine foraging ecology influences mercury bioaccumulation in deep-diving northern elephant seals. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150710.	2.6	31
50	Embryo malposition as a potential mechanism for mercuryâ€‐induced hatching failure in bird eggs. Environmental Toxicology and Chemistry, 2010, 29, 1788-1794.	4.3	30
51	Comparative reproductive biology of sympatric species: nest and chick survival of American avocets and blackâ€‐necked stilts. Journal of Avian Biology, 2014, 45, 609-623.	1.2	29
52	Trace element contamination in feather and tissue samples from Annaâ€™s hummingbirds. Ecological Indicators, 2017, 80, 96-105.	6.3	29
53	Invertebrate mercury bioaccumulation in permanent, seasonal, and flooded rice wetlands within California's Central Valley. Science of the Total Environment, 2010, 408, 666-671.	8.0	28
54	Mercury contamination and stable isotopes reveal variability in foraging ecology of generalist California gulls. Ecological Indicators, 2017, 74, 205-215.	6.3	28

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55	Assessing potential health risks to fish and humans using mercury concentrations in inland fish from across western Canada and the United States. Science of the Total Environment, 2016, 571, 342-354.	8.0	27
56	A National-Scale Assessment of Mercury Bioaccumulation in United States National Parks Using Dragonfly Larvae As Biosentinels through a Citizen-Science Framework. Environmental Science & Technology, 2020, 54, 8779-8790.	10.0	27
57	Sexing California Gulls Using Morphometrics and Discriminant Function Analysis. Waterbirds, 2010, 33, 79-85.	0.3	26
58	Marsh Wrens As Bioindicators of Mercury in Wetlands of Great Salt Lake: Do Blood and Feathers Reflect Site-Specific Exposure Risk to Bird Reproduction?. Environmental Science & Technology, 2013, 47, 6597-6605.	10.0	26
59	Eggâ€laying sequence influences egg mercury concentrations and egg size in three bird species: Implications for contaminant monitoring programs. Environmental Toxicology and Chemistry, 2016, 35, 1458-1469.	4.3	26
60	Evaluating Hair as a Predictor of Blood Mercury: The Influence of Ontogenetic Phase and Life History in Pinnipeds. Archives of Environmental Contamination and Toxicology, 2016, 70, 28-45.	4.1	25
61	The Influence of Partial Clutch Depredation on Duckling Production. Journal of Wildlife Management, 2003, 67, 576.	1.8	23
62	Mercury contamination and potential health risks to Arctic seabirds and shorebirds. Science of the Total Environment, 2022, 844, 156944.	8.0	23
63	Survival of postfledging Forsterâ€™s terns in relation to mercury exposure in San Francisco Bay. Ecotoxicology, 2008, 17, 789-801.	2.4	22
64	Prediction of fish and sediment mercury in streams using landscape variables and historical mining. Science of the Total Environment, 2016, 571, 364-379.	8.0	22
65	Sexing Forsterâ€™s Terns using Morphometric Measurements. Waterbirds, 2006, 29, 512-517.	0.3	21
66	Mercury Bioaccumulation in Estuarine Fishes: Novel Insights from Sulfur Stable Isotopes. Environmental Science & Technology, 2017, 51, 2131-2139.	10.0	21
67	Experimental Dosing of Wetlands with Coagulants Removes Mercury from Surface Water and Decreases Mercury Bioaccumulation in Fish. Environmental Science & Technology, 2015, 49, 6304-6311.	10.0	20
68	Hg concentrations in fish from coastal waters of California and Western North America. Science of the Total Environment, 2016, 568, 1146-1156.	8.0	20
69	Estimating Mercury Exposure of Piscivorous Birds and Sport Fish Using Prey Fish Monitoring. Environmental Science & Technology, 2015, 49, 13596-13604.	10.0	19
70	USING RADIOTELEMETRY TO MONITOR CARDIAC RESPONSE OF FREE-LIVING TULE GREATER WHITE-FRONTED GEESE (ANSER ALBIFRONS ELGASI) TO HUMAN DISTURBANCE. The Wilson Bulletin, 2004, 116, 146-151.	0.5	18
71	SELENIUM BIOACCUMULATION AND BODY CONDITION IN SHOREBIRDS AND TERNS BREEDING IN SAN FRANCISCO BAY, CALIFORNIA, USA. Environmental Toxicology and Chemistry, 2009, 28, 2134.	4.3	18
72	Surveillance for highly pathogenic influenza A viruses in California during 2014â€“2015 provides insights into viral evolutionary pathways and the spatiotemporal extent of viruses in the Pacific Americas Flyway. Emerging Microbes and Infections, 2017, 6, 1-10.	6.5	18

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73	Maternal transfer of mercury to songbird eggs. Environmental Pollution, 2017, 230, 463-468.	7.5	18
74	Isotope Fractionation from In Vivo Methylmercury Detoxification in Waterbirds. ACS Earth and Space Chemistry, 2021, 5, 990-997.	2.7	18
75	Adaptive nest clustering and densityâ€dependent nest survival in dabbling ducks. Oikos, 2014, 123, 239-247.	2.7	17
76	Mercury Exposure and Altered Parental Nesting Behavior in a Wild Songbird. Environmental Science & Technology, 2019, 53, 5396-5405.	10.0	17
77	A NONLETHAL MICROSAMPLING TECHNIQUE TO MONITOR THE EFFECTS OF MERCURY ON WILD BIRD EGGS. Environmental Toxicology and Chemistry, 2009, 28, 465.	4.3	16
78	Avian Communities in Tidal Salt Marshes of San Francisco Bay: A Review of Functional Groups by Foraging Guild and Habitat Association. San Francisco Estuary and Watershed Science, 2011, 9, .	0.4	16
79	Duck nest depredation, predator behavior, and female response using video. Journal of Wildlife Management, 2018, 82, 1014-1025.	1.8	16
80	Foraging and fasting can influence contaminant concentrations in animals: an example with mercury contamination in a free-ranging marine mammal. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172782.	2.6	16
81	Space Use by Forsterâ€™s Terns Breeding in South San Francisco Bay. Waterbirds, 2008, 31, 357-369.	0.3	15
82	Unintended Consequences of Management Actions in Salt Pond Restoration: Cascading Effects in Trophic Interactions. PLoS ONE, 2015, 10, e0119345.	2.5	15
83	Spatiotemporal patterns of duck nest density and predation risk: a multiâ€scale analysis of 18 years and more than 10 000 nests. Oikos, 2017, 126, 332-338.	2.7	15
84	Waterfowl use of wetland habitats informs wetland restoration designs for multiâ€species benefits. Journal of Applied Ecology, 2021, 58, 1910-1920.	4.0	15
85	Postfledging Forster's Tern Movements, Habitat Selection, and Colony Attendance in San Francisco Bay. Condor, 2009, 111, 100-110.	1.6	14
86	Landscape factors and hydrology influence mercury concentrations in wading birds breeding in the Florida Everglades, USA. Science of the Total Environment, 2013, 458-460, 637-646.	8.0	14
87	Mercury correlations among blood, muscle, and hair of northern elephant seals during the breeding and molting fasts. Environmental Toxicology and Chemistry, 2016, 35, 2103-2110.	4.3	14
88	Effects of Age, Colony, and Sex on Mercury Concentrations in California Sea Lions. Archives of Environmental Contamination and Toxicology, 2016, 70, 46-55.	4.1	14
89	Moving at the speed of flight: dabbling duck-movement rates and the relationship with electronic tracking interval. Wildlife Research, 2019, 46, 533.	1.4	14
90	Effectiveness of Spinning-Wing Decoys Varies Among Dabbling Duck Species and Locations. Journal of Wildlife Management, 2006, 70, 799-804.	1.8	13

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91	Forster's tern chick survival in response to a managed relocation of predatory California gulls. Journal of Wildlife Management, 2014, 78, 818-829.	1.8	13
92	Wintering in the Western Subarctic Pacific Increases Mercury Contamination of Red-Legged Kittiwakes. Environmental Science & Technology, 2019, 53, 13398-13407.	10.0	13
93	Identifying Nest Predators of American Avocets (Recurvirostra americana) and Black-Necked Stilts (Himantopus mexicanus) in San Francisco Bay, California. Southwestern Naturalist, 2011, 56, 35-43.	0.1	12
94	A critical evaluation of the utility of eggshells for estimating mercury concentrations in avian eggs. Environmental Toxicology and Chemistry, 2017, 36, 2417-2427.	4.3	12
95	Feather mercury concentrations in North American raptors sampled at migration monitoring stations. Ecotoxicology, 2019, 28, 379-391.	2.4	12
96	Timing, frequency, and duration of incubation recesses in dabbling ducks. Ecology and Evolution, 2020, 10, 2513-2529.	1.9	12
97	American Avocet (Recurvirostra americana). , 2013, , .		12
98	Pathways for avian influenza virus spread: GPS reveals wild waterfowl in commercial livestock facilities and connectivity with the natural wetland landscape. Transboundary and Emerging Diseases, 2022, 69, 2898-2912.	3.0	12
99	Mercury exposure may influence fluctuating asymmetry in waterbirds. Environmental Toxicology and Chemistry, 2017, 36, 1599-1605.	4.3	11
100	Informing wetland management with waterfowl movement and sanctuary use responses to human-induced disturbance. Journal of Environmental Management, 2021, 297, 113170.	7.8	11
101	DOES LIFE HISTORY PREDICT RISK-TAKING BEHAVIOR OF WINTERING DABBLING DUCKS?. Condor, 2006, 108, 530.	1.6	10
102	Gender Identification Of Caspian Terns Using External Morphology And Discriminant Function Analysis. Wilson Journal of Ornithology, 2008, 120, 378-383.	0.2	10
103	Season, molt, and body size influence mercury concentrations in grebes. Environmental Pollution, 2017, 229, 29-39.	7.5	10
104	California Gull (Larus californicus) Space Use and Timing of Movements in Relation to Landfills and Breeding Colonies. Waterbirds, 2018, 41, 384.	0.3	10
105	Space Use and Habitat Selection of Migrant and Resident American Avocets in San Francisco Bay. Condor, 2010, 112, 511-520.	1.6	9
106	Physiological Condition of Juvenile Wading Birds in Relation to Multiple Landscape Stressors in the Florida Everglades: Effects of Hydrology, Prey Availability, and Mercury Bioaccumulation. PLoS ONE, 2014, 9, e106447.	2.5	9
107	Waterbird nestâ€site selection is influenced by neighboring nests and island topography. Journal of Wildlife Management, 2016, 80, 1267-1279.	1.8	9
108	Differentiating Sex and Species of Western Grebes (Aechmophorus occidentalis) and Clark's Grebes (Aechmophorus clarkii) and Their Eggs Using External Morphometrics and Discriminant Function Analysis. Waterbirds, 2016, 39, 13-26.	0.3	9

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109	Itâ€™s whatâ€™s inside that counts: egg contaminant concentrations are influenced by estimates of egg density, egg volume, and fresh egg mass. Ecotoxicology, 2016, 25, 770-776.	2.4	9
110	Egg turning behavior and incubation temperature in Forsterâ€™s terns in relation to mercury contamination. PLoS ONE, 2018, 13, e0191390.	2.5	9
111	Quantitative metaâ€analysis reveals no association between mercury contamination and body condition in birds. Biological Reviews, 2022, 97, 1253-1271.	10.4	9
112	Breeding Stage Influences Space Use of Female American Avocets in San Francisco Bay, California. Waterbirds, 2008, 31, 365-371.	0.3	8
113	Colony Attendance Patterns by Mated Forster's TernsSterna forsteriUsing an Automated Data-Logging Receiver System. Ardea, 2010, 98, 59-65.	0.6	8
114	Avian eggshell thickness in relation to egg morphometrics, embryonic development, and mercury contamination. Ecology and Evolution, 2020, 10, 8715-8740.	1.9	8
115	Waterfowl Ecology and Management. , 2014, , 103-132.		8
116	Temporal Variation in Fish Mercury Concentrations within Lakes from the Western Aleutian Archipelago, Alaska. PLoS ONE, 2014, 9, e102244.	2.5	7
117	Habitat Selection by Forster's Terns (Sterna forsteri) at Multiple Spatial Scales in an Urbanized Estuary: the Importance of Salt Ponds. Waterbirds, 2016, 39, 375-387.	0.3	7
118	Sitting ducklings: Timing of hatch, nest departure, and predation risk for dabbling duck broods. Ecology and Evolution, 2019, 9, 5490-5500.	1.9	7
119	Mercury exposure in mammalian mesopredators inhabiting a brackish marsh. Environmental Pollution, 2021, 273, 115808.	7.5	7
120	Foraging in marine habitats increases mercury concentrations in a generalist seabird. Chemosphere, 2021, 279, 130470.	8.2	7
121	Organochlorine and PBDE Concentrations in Relation to Cytochrome P450 Activity in Livers of Forsterâ€™s Terns (Sterna forsteri) and Caspian Terns (Hydroprogne caspia), in San Francisco Bay, California. Archives of Environmental Contamination and Toxicology, 2010, 58, 863-873.	4.1	6
122	Habitat Edges Have Weak Effects on Duck Nest Survival at Local Spatial Scales. Ardea, 2015, 103, 155-162.	0.6	6
123	A new approach to automated incubation recess detection using temperature loggers. Condor, 2018, 120, 739-750.	1.6	6
124	Does Life History Predict Risk-Taking Behavior of Wintering Dabbling Ducks?. Condor, 2006, 108, 530-546.	1.6	5
125	California gull chicks raised near colony edges have elevated stress levels. General and Comparative Endocrinology, 2011, 173, 72-77.	1.8	5
126	Island characteristics within wetlands influence waterbird nest success and abundance. Journal of Wildlife Management, 2016, 80, 1177-1188.	1.8	5

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127	Wetland Management Strategy to Reduce Mercury in Water and Bioaccumulation in Fish. Environmental Toxicology and Chemistry, 2019, 38, 2178-2196.	4.3	5
128	Migration stopover ecology of Cinnamon Teal in western North America. Ecology and Evolution, 2021, 11, 14056-14069.	1.9	5
129	Dietary mercury exposure to endangered California Clapper Rails in San Francisco Bay. Marine Pollution Bulletin, 2014, 86, 254-260.	5.0	4
130	Social attraction used to establish Caspian tern nesting colonies in San Francisco Bay. Global Ecology and Conservation, 2019, 20, e00757.	2.1	4
131	Nocturnal incubation recess and flushing behavior by duck hens. Ecology and Evolution, 2021, 11, 7292-7301.	1.9	3
132	Host Correlates of Avian Influenza Virus Infection in Wild Waterfowl of the Sacramento Valley, California. Avian Diseases, 2021, 66, .	1.0	3
133	Wetland water-management may influence mercury bioaccumulation in songbirds and ducks at a mercury hotspot. Ecotoxicology, 2020, 29, 1229-1239.	2.4	2
134	Interrupted incubation: How dabbling ducks respond when flushed from the nest. Ecology and Evolution, 2021, 11, 2862-2872.	1.9	2
135	Prey fish returned to Forsterâ€™s tern colonies suggest spatial and temporal differences in fish composition and availability. PLoS ONE, 2018, 13, e0193430.	2.5	2
136	Transmitter Effects on Growth and Survival of Forster's Tern Chicks. Journal of Wildlife Management, 2020, 84, 891-901.	1.8	1
137	Egg morphometrics and egg shape coefficients for White-faced Ibis (Plegadis chihi). Wilson Journal of Ornithology, 2021, 133, .	0.2	1
138	LIMITED DETECTION OF ANTIBODIES TO CLADE 2.3.4.4 A/GOOSE/GUANGDONG/1/1996 LINEAGE HIGHLY PATHOGENIC H5 AVIAN INFLUENZA VIRUS IN NORTH AMERICAN WATERFOWL. Journal of Wildlife Diseases, 2020, 56, 47-57.	0.8	1
139	Machine learned daily life history classification using low frequency tracking data and automated modelling pipelines: application to North American waterfowl. Movement Ecology, 2022, 10, 23.	2.8	1