

# Michael L Casazza

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

2,006  
citations

279798

23  
h-index

330143

37  
g-index

138  
all docs

138  
docs citations

138  
times ranked

1791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wildfire, climate, and invasive grass interactions negatively impact an indicator species by reshaping sagebrush ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12745-12750.	7.1	137
2	Spring migration of Northern Pintails from California's Central Valley wintering area tracked with satellite telemetry: routes, timing, and destinations. Canadian Journal of Zoology, 2005, 83, 1314-1332.	1.0	113
3	Wetland Accretion Rate Model of Ecosystem Resilience (WARMER) and Its Application to Habitat Sustainability for Endangered Species in the San Francisco Estuary. Estuaries and Coasts, 2014, 37, 476-492.	2.2	89
4	Ecological insights from three decades of animal movement tracking across a changing Arctic. Science, 2020, 370, 712-715.	12.6	75
5	Pinyon and Juniper Encroachment into Sagebrush Ecosystems Impacts Distribution and Survival of Greater Sage-Grouse. Rangeland Ecology and Management, 2017, 70, 25-38.	2.3	69
6	Carryover effects and climatic conditions influence the postfledging survival of greater sage-grouse. Ecology and Evolution, 2014, 4, 4488-4499.	1.9	55
7	Evaluating greater sage-grouse seasonal space use relative to leks: Implications for surface use designations in sagebrush ecosystems. Journal of Wildlife Management, 2013, 77, 1598-1609.	1.8	54
8	Does mercury contamination reduce body condition of endangered California clapper rails?. Environmental Pollution, 2012, 162, 439-448.	7.5	53
9	Pintail and Mallard Survival in California Relative to Habitat, Abundance, and Hunting. Journal of Wildlife Management, 2007, 71, 2238.	1.8	42
10	Nest-site selection and reproductive success of greater sage-grouse in a fire-affected habitat of northwestern Nevada. Journal of Wildlife Management, 2015, 79, 785-797.	1.8	42
11	Endangered species management and ecosystem restoration: finding the common ground. Ecology and Society, 2016, 21, .	2.3	40
12	Integrating spatially explicit indices of abundance and habitat quality: an applied example for greater sage-grouse management. Journal of Applied Ecology, 2016, 53, 83-95.	4.0	40
13	GPS tracking data reveals daily spatio-temporal movement patterns of waterfowl. Movement Ecology, 2019, 7, 6.	2.8	37
14	Monitoring of Livestock Grazing Effects on Bureau of Land Management Land. Rangeland Ecology and Management, 2014, 67, 68-77.	2.3	36
15	Bayesian shared frailty models for regional inference about wildlife survival. Animal Conservation, 2012, 15, 117-124.	2.9	35
16	Landscape alterations influence differential habitat use of nesting buteos and ravens within sagebrush ecosystem: Implications for transmission line development. Condor, 2014, 116, 341-356.	1.6	34
17	Encounters with Pinyon-Juniper Influence Riskier Movements in Greater Sage-Grouse Across the Great Basin. Rangeland Ecology and Management, 2017, 70, 39-49.	2.3	31
18	Nest Site Selection by Greater Sage-Grouse in Mono County, California. Journal of Wildlife Management, 2009, 73, 1333-1340.	1.8	29

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19	Patterns in Greater Sage-Grouse population dynamics correspond with public grazing records at broad scales. <i>Ecological Applications</i> , 2017, 27, 1096-1107.	3.8	29
20	A conservation planning tool for Greater Sage-Grouse using indices of species distribution, resilience, and resistance. <i>Ecological Applications</i> , 2018, 28, 878-896.	3.8	28
21	Habitat Suitability and Conservation of the Giant Gartersnake ( <i>Thamnophis gigas</i> ) in the Sacramento Valley of California. <i>Copeia</i> , 2010, 2010, 591-599.	1.3	27
22	Greater Sage-Grouse Nest Predators in the Virginia Mountains of Northwestern Nevada. <i>Journal of Fish and Wildlife Management</i> , 2013, 4, 242-255.	0.9	27
23	Ecological Factors Influencing Nest Survival of Greater Sage-Grouse in Mono County, California. <i>Journal of Wildlife Management</i> , 2009, 73, 1341-1347.	1.8	26
24	Hunting influences the diel patterns in habitat selection by northern pintails <i>Anas acuta</i> . <i>Wildlife Biology</i> , 2012, 18, 1-13.	1.4	25
25	Landscape characteristics and livestock presence influence common ravens: relevance to greater sage-grouse conservation. <i>Ecosphere</i> , 2016, 7, e01203.	2.2	24
26	Spring Migration of Northern Pintails from Texas and New Mexico, USA. <i>Waterbirds</i> , 2006, 29, 127-136.	0.3	21
27	Common raven occurrence in relation to energy transmission line corridors transiting human-altered sagebrush steppe. <i>Journal of Arid Environments</i> , 2014, 111, 68-78.	2.4	20
28	Tidal and seasonal effects on survival rates of the endangered California clapper rail: does invasive <i>Spartina</i> facilitate greater survival in a dynamic environment?. <i>Biological Invasions</i> , 2014, 16, 1897-1914.	2.4	20
29	Intraseasonal variation in survival and probable causes of mortality in greater sage-grouse <i>Centrocercus urophasianus</i> . <i>Wildlife Biology</i> , 2013, 19, 347-357.	1.4	19
30	The relative importance of intrinsic and extrinsic drivers to population growth vary among local populations of Greater Sage-Grouse: An integrated population modeling approach. <i>Auk</i> , 2018, 135, 240-261.	1.4	19
31	Surveillance for highly pathogenic influenza A viruses in California during 2014-2015 provides insights into viral evolutionary pathways and the spatiotemporal extent of viruses in the Pacific Americas Flyway. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-10.	6.5	18
32	Integrating growth and capture-mark-recapture models reveals size-dependent survival in an elusive species. <i>Ecosphere</i> , 2018, 9, e02384.	2.2	18
33	Global positioning system tracking devices can decrease Greater Sage-Grouse survival. <i>Condor</i> , 2019, 121, .	1.6	18
34	Spatially explicit models of seasonal habitat for greater sage-grouse at broad spatial scales: Informing areas for management in Nevada and northeastern California. <i>Ecology and Evolution</i> , 2020, 10, 104-118.	1.9	17
35	Avian Communities in Tidal Salt Marshes of San Francisco Bay: A Review of Functional Groups by Foraging Guild and Habitat Association. <i>San Francisco Estuary and Watershed Science</i> , 2011, 9, .	0.4	16
36	Ghost of habitat past: historic habitat affects the contemporary distribution of giant garter snakes in a modified landscape. <i>Animal Conservation</i> , 2014, 17, 144-153.	2.9	16

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37	Waterfowl endozoochory: An overlooked long-distance dispersal mode for <i>Cuscuta</i> (dodder). <i>American Journal of Botany</i> , 2016, 103, 957-962.	1.7	16
38	Duck nest depredation, predator behavior, and female response using video. <i>Journal of Wildlife Management</i> , 2018, 82, 1014-1025.	1.8	16
39	FLIGHT SPEEDS OF NORTHERN PINTAILS DURING MIGRATION DETERMINED USING SATELLITE TELEMETRY. <i>The Wilson Bulletin</i> , 2005, 117, 364-374.	0.5	15
40	Hierarchical spatial genetic structure in a distinct population segment of greater sage-grouse. <i>Conservation Genetics</i> , 2014, 15, 1299-1311.	1.5	15
41	Waterfowl use of wetland habitats informs wetland restoration designs for multi-species benefits. <i>Journal of Applied Ecology</i> , 2021, 58, 1910-1920.	4.0	15
42	Abundance and Sexual Size Dimorphism of the Giant Gartersnake ( <i>Thamnophis gigas</i> ) in the Sacramento Valley of California. <i>Journal of Herpetology</i> , 2010, 44, 94-103.	0.5	14
43	Spatial and Temporal Variability in Growth of Giant Gartersnakes: Plasticity, Precipitation, and Prey. <i>Journal of Herpetology</i> , 2018, 52, 40-49.	0.5	14
44	Using object-based image analysis to conduct high-resolution conifer extraction at regional spatial scales. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 73, 148-155.	2.8	14
45	Moving at the speed of flight: dabbling duck-movement rates and the relationship with electronic tracking interval. <i>Wildlife Research</i> , 2019, 46, 533.	1.4	14
46	Good prospects: high-resolution telemetry data suggests novel brood site selection behaviour in waterfowl. <i>Animal Behaviour</i> , 2020, 164, 163-172.	1.9	13
47	Demography of the San Francisco Gartersnake in Coastal San Mateo County, California. <i>Journal of Fish and Wildlife Management</i> , 2011, 2, 41-48.	0.9	13
48	Megafires and thick smoke portend big problems for migratory birds. <i>Ecology</i> , 2022, 103, e03552.	3.2	13
49	A century of landscape disturbance and urbanization of the San Francisco Bay region affects the present-day genetic diversity of the California Ridgway's rail ( <i>Rallus obsoletus obsoletus</i> ). <i>Conservation Genetics</i> , 2017, 18, 131-146.	1.5	12
50	Timing, frequency, and duration of incubation recesses in dabbling ducks. <i>Ecology and Evolution</i> , 2020, 10, 2513-2529.	1.9	12
51	Pathways for avian influenza virus spread: GPS reveals wild waterfowl in commercial livestock facilities and connectivity with the natural wetland landscape. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 2898-2912.	3.0	12
52	Using time-dependent models to investigate body condition and growth rate of the giant gartersnake. <i>Journal of Zoology</i> , 2009, 279, 285-293.	1.7	11
53	“Exciting statistics”: the rapid development and promising future of hierarchical models for population ecology. <i>Animal Conservation</i> , 2012, 15, 133-135.	2.9	11
54	Sea-level rise and refuge habitats for tidal marsh species: Can artificial islands save the California Ridgway's rail?. <i>Ecological Engineering</i> , 2015, 74, 337-344.	3.6	11

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55	Informing wetland management with waterfowl movement and sanctuary use responses to human-induced disturbance. <i>Journal of Environmental Management</i> , 2021, 297, 113170.	7.8	11
56	Functional Wetland Loss Drives Emerging Risks to Waterbird Migration Networks. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	11
57	Sex, season, and time of day interact to affect body temperatures of the Giant Gartersnake. <i>Journal of Thermal Biology</i> , 2009, 34, 183-189.	2.5	9
58	Defining population structure and genetic signatures of decline in the giant gartersnake ( <i>Thamnophis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T Genetics, 2015, 16, 1025-1039.	1.5	9
59	Seasonal impoundment alters patterns of tidal wetland plant diversity across spatial scales. <i>Ecosphere</i> , 2021, 12, e03366.	2.2	9
60	Movements of Radio-Marked California Ridgway's Rails During Monitoring Surveys: Implications for Population Monitoring. <i>Journal of Fish and Wildlife Management</i> , 2015, 6, 227-237.	0.9	9
61	Evaluation of current population indices for band-tailed pigeons. <i>Wildlife Society Bulletin</i> , 2005, 33, 606-615.	1.6	8
62	Bayesian adaptive survey protocols for resource management. <i>Journal of Wildlife Management</i> , 2011, 75, 450-457.	1.8	8
63	Intra-annual patterns in adult band-tailed pigeon survival estimates. <i>Wildlife Research</i> , 2015, 42, 454.	1.4	8
64	Wintering ecology of sympatric subspecies of Sandhill Crane: Correlations between body size, site fidelity, and movement patterns. <i>Condor</i> , 2015, 117, 518-529.	1.6	8
65	Nest survival is influenced by parental behaviour and heterospecifics in a mixedâ€species colony. <i>Ibis</i> , 2016, 158, 315-326.	1.9	8
66	Demographic factors affecting population growth in giant gartersnakes. <i>Journal of Wildlife Management</i> , 2019, 83, 1540-1551.	1.8	8
67	Conservation reliance of a threatened snake on rice agriculture. <i>Global Ecology and Conservation</i> , 2019, 19, e00681.	2.1	8
68	Waterfowl Ecology and Management. , 2014, , 103-132.		8
69	Waste Rice Seed in Conventional and Stripper-Head Harvested Fields in California: Implications for Wintering Waterfowl. <i>Journal of Fish and Wildlife Management</i> , 2012, 3, 266-275.	0.9	8
70	Post-precipitation bias in band-tailed pigeon surveys conducted at mineral sites. <i>Wildlife Society Bulletin</i> , 2005, 33, 1047-1054.	1.6	7
71	Sitting ducklings: Timing of hatch, nest departure, and predation risk for dabbling duck broods. <i>Ecology and Evolution</i> , 2019, 9, 5490-5500.	1.9	7
72	Mercury exposure in mammalian mesopredators inhabiting a brackish marsh. <i>Environmental Pollution</i> , 2021, 273, 115808.	7.5	7

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73	A new approach to automated incubation recess detection using temperature loggers. <i>Condor</i> , 2018, 120, 739-750.	1.6	6
74	Relative Value of Managed Wetlands and Tidal Marshlands for Wintering Northern Pintails. <i>Journal of Fish and Wildlife Management</i> , 2012, 3, 98-109.	0.9	6
75	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. <i>Journal of Wildlife Diseases</i> , 2020, 56, 47.	0.8	6
76	Chapter Eleven. Linking Habitat Selection and Brood Success in Greater Sage-Grouse. , 2019, , 151-168.		6
77	The Population Crisis Demands a Focused Agenda. <i>Conservation Biology</i> , 1994, 8, 305-307.	4.7	5
78	Linking Landscape Characteristics to Mineral Site Use by Band-Tailed Pigeons in Western Oregon: Coarse-Filter Conservation with Fine-Filter Tuning. <i>Natural Areas Journal</i> , 2006, 26, 38-46.	0.5	5
79	Population Structure and Relatedness among Female Northern Pintails in Three California Wintering Regions. <i>Waterbirds</i> , 2010, 33, 1-9.	0.3	5
80	Scale-Dependent Associations of Band-Tailed Pigeon Counts at Mineral Sites. <i>Northwestern Naturalist</i> , 2010, 91, 299-308.	0.4	5
81	Temporal and Maternal Effects on Reproductive Ecology of the Giant Gartersnake ( <i>Thamnophis gigas</i> ). <i>Southwestern Naturalist</i> , 2011, 56, 29-34.	0.1	5
82	Effects of prescribed fire on San Francisco gartersnake survival and movement. <i>Journal of Wildlife Management</i> , 2019, 83, 231-240.	1.8	5
83	Rising Tides: Assessing Habitat Vulnerability for an Endangered Salt Marsh-Dependent Species with Sea-Level Rise. <i>Wetlands</i> , 2019, 39, 1203-1218.	1.5	5
84	Migration stopover ecology of Cinnamon Teal in western North America. <i>Ecology and Evolution</i> , 2021, 11, 14056-14069.	1.9	5
85	Estimating sightability of greater sage-grouse at leks using an aerial infrared system and N-mixture models. <i>Wildlife Biology</i> , 2019, 2019, .	1.4	5
86	Active Season Microhabitat and Vegetation Selection by Giant Gartersnakes Associated with a Restored Marsh in California. <i>Journal of Fish and Wildlife Management</i> , 2016, 7, 397-407.	0.9	5
87	Changes in the abundance and distribution of waterfowl wintering in the Central Valley of California, 1973â€“2000. , 2018, , 50-74.		5
88	Invasion of annual grasses following wildfire corresponds to maladaptive habitat selection by a sagebrush ecosystem indicator species. <i>Global Ecology and Conservation</i> , 2022, , e02147.	2.1	5
89	Dietary mercury exposure to endangered California Clapper Rails in San Francisco Bay. <i>Marine Pollution Bulletin</i> , 2014, 86, 254-260.	5.0	4
90	Rapid assessment of rice seed availability for wildlife in harvested fields. <i>Wildlife Society Bulletin</i> , 2011, 35, 377-393.	1.6	3

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91	The effects of heterospecifics and climatic conditions on incubation behavior within a mixed-species colony. <i>Journal of Avian Biology</i> , 2016, 47, 399-408.	1.2	3
92	Nocturnal incubation recess and flushing behavior by duck hens. <i>Ecology and Evolution</i> , 2021, 11, 7292-7301.	1.9	3
93	Giant Gartersnakes ( <i>Thamnophis gigas</i> ) Exploit Abundant Nonnative Prey While Maintaining Their Appetite for Native Anurans. <i>Herpetologica</i> , 2020, 76, 290.	0.4	3
94	Intrinsic Prey Preference and Selection of the Giant Gartersnake: A Threatened Predator in a Nonnative Prey-Dominated Community. <i>Journal of Fish and Wildlife Management</i> , 2020, 11, 164-173.	0.9	3
95	Host Correlates of Avian Influenza Virus Infection in Wild Waterfowl of the Sacramento Valley, California. <i>Avian Diseases</i> , 2021, 66, .	1.0	3
96	Interrupted incubation: How dabbling ducks respond when flushed from the nest. <i>Ecology and Evolution</i> , 2021, 11, 2862-2872.	1.9	2
97	Wetland Availability and Salinity Concentrations for Breeding Waterfowl in Suisun Marsh, California. <i>San Francisco Estuary and Watershed Science</i> , 2021, 19, .	0.4	2
98	A tale of two valleys: endangered species policy and the fate of the giant gartersnake. <i>California Fish and Wildlife Journal</i> , 2021, , 264-283.	0.6	1
99	Bird Communities: Effects of Fragmentation, Disturbance, and Sea Level Rise on Population Viability. , 2012, , 175-194.		1
100	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. <i>Journal of Wildlife Diseases</i> , 2020, 56, 47-57.	0.8	1
101	To Catch A (Marsh) Predator: Modified Trapping Methods For Breeding and Wintering Northern Harriers ( <i>Circus hudsonius</i> ). <i>Journal of Raptor Research</i> , 2022, , .	0.6	1
102	Machine learned daily life history classification using low frequency tracking data and automated modelling pipelines: application to North American waterfowl. <i>Movement Ecology</i> , 2022, 10, 23.	2.8	1
103	Lessons from the past: isotopes of an endangered rail as indicators of underlying change to tidal marsh habitats. <i>Ecosystem Health and Sustainability</i> , 2017, 3, 1410451.	3.1	0
104	Gambel's Quail Survey Variability and Implications for Survey Design in the Mojave Desert. <i>Wildlife Society Bulletin</i> , 2020, 44, 493-501.	0.8	0
105	A customized framework for regional classification of conifers using automated feature extraction. <i>MethodsX</i> , 2021, 8, 101379.	1.6	0
106	Assessment of waste grain densities to aid waterfowl conservation in the Klamath Basin of northeastern California and southeastern Oregon. <i>Journal of Fish and Wildlife Management</i> , 0, , .	0.9	0
107	Greater Sage-grouse Nest Predators in the Virginia Mountains of northwestern Nevada. <i>Journal of Fish and Wildlife Management</i> , 0, , 131023080234000.	0.9	0
108	5. Waterfowl Ecology and Management. , 2019, , 103-132.		0

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109	12. Bird Comm Unities: Effects Of Fragmentation, Disturbance, And Sea Level Rise On Population Viability. , 2019, , 175-194.		0