

# Martin T Tinker

## List of Publications by Citations

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88

papers

3,773

citations

29

h-index

60

g-index

95

ext. papers

4,338

ext. citations

4.9

avg, IF

5.27

L-index

#	Paper	IF	Citations
88	Killer whale predation on sea otters linking oceanic and nearshore ecosystems. <i>Science</i> , <b>1998</b> , 282, 473-632.2	32.2	754
87	Food limitation leads to behavioral diversification and dietary specialization in sea otters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 560-5	11.1	270
86	Using stable isotopes to investigate individual diet specialization in California sea otters ( <i>Enhydra lutris nereis</i> ). <i>Ecology</i> , <b>2009</b> , 90, 961-74	4.5	221
85	Evidence for a novel marine harmful algal bloom: cyanotoxin (microcystin) transfer from land to sea otters. <i>PLoS ONE</i> , <b>2010</b> , 5, e12576	3.6	216
84	Understanding and predicting ecological dynamics: are major surprises inevitable?. <i>Ecology</i> , <b>2008</b> , 89, 952-61	4.5	179
83	Structure and mechanism of diet specialisation: testing models of individual variation in resource use with sea otters. <i>Ecology Letters</i> , <b>2012</b> , 15, 475-83	9.8	119
82	Tools for quantifying isotopic niche space and dietary variation at the individual and population level. <i>Journal of Mammalogy</i> , <b>2012</b> , 93, 329-341	1.7	110
81	Recovery of a top predator mediates negative eutrophic effects on seagrass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 15313-8	11.1	105
80	Prey choice and habitat use drive sea otter pathogen exposure in a resource-limited coastal system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2242-7	11.1	102
79	SEA OTTER POPULATION DECLINES IN THE ALEUTIAN ARCHIPELAGO. <i>Journal of Mammalogy</i> , <b>2003</b> , 84, 55-64	1.7	87
78	Individual dietary specialization and dive behaviour in the California sea otter: Using archival time-depth data to detect alternative foraging strategies. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2007</b> , 54, 330-342	2.2	76
77	Ontogenetic and among-individual variation in foraging strategies of northeast Pacific white sharks based on stable isotope analysis. <i>PLoS ONE</i> , <b>2012</b> , 7, e45068	3.6	72
76	Variation in delta13C and delta15N diet-vibrissae trophic discrimination factors in a wild population of California sea otters <b>2010</b> , 20, 1744-52		73
75	Predicting community responses to perturbations in the face of imperfect knowledge and network complexity. <i>Ecology</i> , <b>2011</b> , 92, 836-46	4.5	70
74	The interaction of intraspecific competition and habitat on individual diet specialization: a near range-wide examination of sea otters. <i>Oecologia</i> , <b>2015</b> , 178, 45-59	2.9	66
73	High mortality of loggerhead turtles due to bycatch, human consumption and strandings at Baja California Sur, Mexico, 2003 to 2007. <i>Endangered Species Research</i> , <b>2008</b> , 5, 171-183	2.3	53
72	Energetic demands of immature sea otters from birth to weaning: implications for maternal costs, reproductive behavior and population-level trends. <i>Journal of Experimental Biology</i> , <b>2014</b> , 217, 2053-61	2.9	52

71	Incorporating diverse data and realistic complexity into demographic estimation procedures for sea otters <b>2006</b> , 16, 2293-312		50
70	Using ecological function to develop recovery criteria for depleted species: sea otters and kelp forests in the Aleutian archipelago. <i>Conservation Biology</i> , <b>2010</b> , 24, 852-60	5.8	50
69	Using demography and movement behavior to predict range expansion of the southern sea otter <b>2008</b> , 18, 1781-94		48
68	Sudden collapse of a mesopredator reveals its complementary role in mediating rocky reef regime shifts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 285,	4.3	41
67	Prevalence, environmental loading, and molecular characterization of Cryptosporidium and Giardia isolates from domestic and wild animals along the Central California Coast. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 8762-72	4.6	44
66	Dramatic increase in sea otter mortality from white sharks in California. <i>Marine Mammal Science</i> , <b>2016</b> , 32, 309-326	1.8	39
65	Timescales alter the inferred strength and temporal consistency of intraspecific diet specialization. <i>Oecologia</i> , <b>2015</b> , 178, 61-74	2.9	31
64	Patterns of growth and body condition in sea otters from the Aleutian archipelago before and after the recent population decline. <i>Journal of Animal Ecology</i> , <b>2006</b> , 75, 978-89	4.6	31
63	Gene transcription in sea otters ( <i>Enhydra lutris</i> ); development of a diagnostic tool for sea otter and ecosystem health. <i>Molecular Ecology Resources</i> , <b>2012</b> , 12, 67-74	8.2	30
62	CONTINUING SEA OTTER POPULATION DECLINES IN THE ALEUTIAN ARCHIPELAGO. <i>Marine Mammal Science</i> , <b>2005</b> , 21, 169-172	1.8	30
61	ATTACKS ON SEA OTTERS BY KILLER WHALES. <i>Marine Mammal Science</i> , <b>1998</b> , 14, 888-894	1.8	30
60	Ecological drivers of variation in tool-use frequency across sea otter populations. <i>Behavioral Ecology</i> , <b>2015</b> , 26, 519-526	2.2	29
59	The cost of reproduction: differential resource specialization in female and male California sea otters. <i>Oecologia</i> , <b>2015</b> , 178, 17-29	2.9	28
58	MORTALITY SENSITIVITY IN LIFE-STAGE SIMULATION ANALYSIS: A CASE STUDY OF SOUTHERN SEA OTTERS <b>2004</b> , 14, 1554-1565		28
57	Permissible Home Range Estimation (PHRE) in Restricted Habitats: A New Algorithm and an Evaluation for Sea Otters. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150547	3.6	25
56	Aquatic Adaptation and Depleted Diversity: A Deep Dive into the Genomes of the Sea Otter and Giant Otter. <i>Molecular Biology and Evolution</i> , <b>2019</b> , 36, 2631-2655	8	25
55	Predicting animal home-range structure and transitions using a multistate Ornstein-Uhlenbeck biased random walk. <i>Ecology</i> , <b>2017</b> , 98, 32-47	4.5	25
54	Sea otters in a dirty ocean. <i>Journal of the American Veterinary Medical Association</i> , <b>2007</b> , 231, 1648-52	0.9	24

53	Sea otters are recolonizing southern California in fits and starts. <i>Ecosphere</i> , <b>2014</b> , 5, art50	3.1	22
52	Trade-offs between energy maximization and parental care in a central place forager, the sea otter. <i>Behavioral Ecology</i> , <b>2016</b> , 27, 1552-1566	2.2	21
51	Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. <i>Science</i> , <b>2020</b> , 369, 1351-1354	32.2	15
50	Concentration and retention of <i>Toxoplasma gondii</i> oocysts by marine snails demonstrate a novel mechanism for transmission of terrestrial zoonotic pathogens in coastal ecosystems. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 4527-37	5.1	15
49	Sea otter mortality in fish and shellfish traps: estimating potential impacts and exploring possible solutions. <i>Endangered Species Research</i> , <b>2011</b> , 13, 219-229	2.3	15
48	Gaps in kelp cover may threaten the recovery of California sea otters. <i>Ecography</i> , <b>2018</b> , 41, 1751-1762	6.4	14
47	Ecosystem features determine seagrass community response to sea otter foraging. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 134, 134-144	6.7	15
46	Trends and Carrying Capacity of Sea Otters in Southeast Alaska. <i>Journal of Wildlife Management</i> , <b>2019</b> , 83, 1073-1089	1.9	14
45	THE HIGH COST OF MOTHERHOOD: END-LACTATION SYNDROME IN SOUTHERN SEA OTTERS ( <i>ENHYDRA LUTRIS NEREIS</i> ) ON THE CENTRAL CALIFORNIA COAST, USA. <i>Journal of Wildlife Diseases</i> , <b>2016</b> , 52, 307-18	1.2	15
44	A multi-decade time series of kelp forest community structure at San Nicolas Island, California (USA). <i>Ecology</i> , <b>2013</b> , 94, 2654-2654	4.5	14
43	Defining the risk landscape in the context of pathogen pollution: in sea otters along the Pacific Rim. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171178	3.2	14
42	An online database for informing ecological network models: <a href="http://kelpforest.ucsc.edu">http://kelpforest.ucsc.edu</a> . <i>PLoS ONE</i> , <b>2014</b> , 9, e109356	3.6	14
41	Behavioral responses across a mosaic of ecosystem states restructure a sea otter-urchin trophic cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.1	13
40	Southern sea otter range expansion and habitat use in the Santa Barbara Channel, California. <i>US Geological Survey Open-File Report</i> ,		12
39	Southern sea otter ( <i>Enhydra lutris nereis</i> ) population biology at Big Sur and Monterey, California --Investigating the consequences of resource abundance and anthropogenic stressors for sea otter recovery. <i>US Geological Survey Open-File Report</i> ,		12
38	Evaluating potential conservation conflicts between two listed species: sea otters and black abalone. <i>Ecology</i> , <b>2015</b> , 96, 3102-8	4.5	11
37	Food abundance, prey morphology, and diet specialization influence individual sea otter tool use. <i>Behavioral Ecology</i> , <b>2017</b> , 28, 1206-1216	2.2	12
36	Persistent organic pollutants in the blood of free-ranging sea otters ( <i>Enhydra lutris</i> spp.) in Alaska and California. <i>Journal of Wildlife Diseases</i> , <b>2010</b> , 46, 1214-33	1.2	12

35	The Use of Quantitative Models in Sea Otter Conservation <b>2015</b> , 257-300		11
34	Lesions and Behavior Associated with Forced Copulation of Juvenile Pacific Harbor Seals ( <i>Phoca vitulina richardsi</i> ) by Southern Sea Otters ( <i>Enhydra lutris nereis</i> ). <i>Aquatic Mammals</i> , <b>2010</b> , 36, 331-341	1.2	11
33	Surrogate rearing a keystone species to enhance population and ecosystem restoration. <i>Oryx</i> , <b>2019</b> , 1-11	1.5	8
32	Concentration and retention of <i>Toxoplasma gondii</i> surrogates from seawater by red abalone ( <i>Haliotis rufescens</i> ). <i>Parasitology</i> , <b>2016</b> , 143, 1703-1712	2.6	10
31	Sex and occupation time influence niche space of a recovering keystone predator. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 3321-3334	2.7	9
30	Lactation and resource limitation affect stress responses, thyroid hormones, immune function, and antioxidant capacity of sea otters ( <i>Enhydra lutris nereis</i> ). <i>Ecology and Evolution</i> , <b>2018</b> , 8, 8433-8447	2.7	8
29	Carrying Capacity and Pre-Decline Abundance of Sea Otters ( <i>Enhydra lutris kenyoni</i> ) in the Aleutian Islands <b>2003</b> , 84, 145		9
28	Species recovery and recolonization of past habitats: lessons for science and conservation from sea otters in estuaries. <i>PeerJ</i> , <b>2019</b> , 7, e8100	3.1	8
27	Testing the nutritional-limitation, predator-avoidance, and storm-avoidance hypotheses for restricted sea otter habitat use in the Aleutian Islands, Alaska. <i>Oecologia</i> , <b>2015</b> , 177, 645-655	2.9	8
26	Predators, Disease, and Environmental Change in the Nearshore Ecosystem: Mortality in Southern Sea Otters ( <i>Enhydra lutris nereis</i> ) From 1998-2012. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.4	7
25	California sea otter ( <i>Enhydra lutris nereis</i> ) census results, Spring 2017. <i>Data Series</i> ,		7
24	Asynchrony in craniomandibular development and growth in <i>Enhydra lutris nereis</i> (Carnivora: Mustelidae): are southern sea otters born to bite?. <i>Biological Journal of the Linnean Society</i> , <b>2017</b> , 121, 420-438	1.8	7
23	The reproductive behavior and energetics of male gray seals ( <i>Halichoerus grypus</i> ) breeding on a land-fast ice substrate <b>1995</b> , 36, 159		7
22	Effects of wildfire on sea otter ( <i>Enhydra lutris</i> ) gene transcript profiles. <i>Marine Mammal Science</i> , <b>2015</b> , 31, 191-210	1.8	6
21	Active touch in sea otters: in-air and underwater texture discrimination thresholds and behavioral strategies for paws and vibrissae. <i>Journal of Experimental Biology</i> , <b>2018</b> , 221,	2.9	7
20	Influence of occupation history and habitat on Washington sea otter diet. <i>Marine Mammal Science</i> , <b>2019</b> , 35, 1369-1395	1.8	5
19	California sea otter ( <i>Enhydra lutris nereis</i> ) census results, Spring 2016. <i>Data Series</i> ,		4
18	Physical disturbance by recovering sea otter populations increases eelgrass genetic diversity. <i>Science</i> , <b>2021</b> , 374, 333-336	32.2	5

17	Location-specific factors influence patterns and effects of subsistence sea otter harvest in Southeast Alaska. <i>Ecosphere</i> , <b>2019</b> , 10, e02874	3.1	4
16	Wild sea otter mussel pounding leaves archaeological traces. <i>Scientific Reports</i> , <b>2019</b> , 9, 4417	4.7	4
15	Mitogenomes and relatedness do not predict frequency of tool-use by sea otters. <i>Biology Letters</i> , <b>2017</b> , 13,	3.5	4
14	Reductions in the dietary niche of southern sea otters () from the Holocene to the Anthropocene. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 3318-3329	2.7	4
13	Habitat Features Predict Carrying Capacity of a Recovering Marine Carnivore. <i>Journal of Wildlife Management</i> , <b>2021</b> , 85, 303-323	1.9	4
12	Stability and Change in Kelp Forest Habitats at San Nicolas Island. <i>Western North American Naturalist</i> , <b>2018</b> , 78, 633	0.4	4
11	Spatial epidemiological patterns suggest mechanisms of land-sea transmission for <i>Sarcocystis neurona</i> in a coastal marine mammal. <i>Scientific Reports</i> , <b>2020</b> , 10, 3683	4.7	3
10	California sea otter ( <i>Enhydra lutris nereis</i> ) census results, spring 2018. <i>Data Series</i> ,		3
9	Robust age estimation of southern sea otters from multiple morphometrics. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 8592-8609	2.7	2
8	Clinical Signs and Pathology Associated With Domoic Acid Toxicosis in Southern Sea Otters ( <i>Enhydra lutris nereis</i> ). <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.4	2
7	Exposure to domoic acid is an ecological driver of cardiac disease in southern sea otters. <i>Harmful Algae</i> , <b>2021</b> , 101, 101973	5.2	2
6	INCORPORATING DIVERSE DATA AND REALISTIC COMPLEXITY INTO DEMOGRAPHIC ESTIMATION PROCEDURES FOR SEA OTTERS <b>2006</b> , 16, 2293		1
5	Characterizing the impact of recovering sea otters on commercially important crabs in California estuaries. <i>Marine Ecology - Progress Series</i> , <b>2020</b> , 655, 123-137	2.5	1
4	Translocations maintain genetic diversity and increase connectivity in sea otters, <i>Enhydra lutris</i> . <i>Marine Mammal Science</i> , <b>2021</b> , 37, 1475-1497	1.8	0
3	Sea otter population collapse in southwest Alaska: assessing ecological covariates, consequences, and causal factors. <i>Ecological Monographs</i> , e01472	8.7	0
2	Southeast Alaskan kelp forests: inferences of process from large-scale patterns of variation in space and time.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2022</b> , 289, 20211697	4.3	
1	Seabird meta-Population Viability Model (mPVA) methods.. <i>MethodsX</i> , <b>2022</b> , 9, 101599	1.9	