# Martin T Tinker

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3982857/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 88 papers | 5,057 citations | 126708 33 h-index | 133063 59 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 5429 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Killer Whale Predation on Sea Otters Linking Oceanic and Nearshore Ecosystems. , 1998, 282, 473-476. | | 967 |
| 2 | Evidence for a Novel Marine Harmful Algal Bloom: Cyanotoxin (Microcystin) Transfer from Land to Sea Otters. PLoS ONE, 2010, 5, e12576. | 1.1 | 321 |
| 3 | Food limitation leads to behavioral diversification and dietary specialization in sea otters. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 560-565. | 3.3 | 318 |
| 4 | Using stable isotopes to investigate individual diet specialization in California sea otters (<i>Enhydra) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.5 | 262 |
| 5 | UNDERSTANDING AND PREDICTING ECOLOGICAL DYNAMICS: ARE MAJOR SURPRISES INEVITABLE. Ecology, 2008, 89, 952-961. | 1.5 | 222 |
| 6 | Structure and mechanism of diet specialisation: testing models of individual variation in resource use with sea otters. Ecology Letters, 2012, 15, 475-483. | 3.0 | 146 |
| 7 | Recovery of a top predator mediates negative eutrophic effects on seagrass. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15313-15318. | 3.3 | 146 |
| 8 | Tools for quantifying isotopic niche space and dietary variation at the individual and population level. Journal of Mammalogy, 2012, 93, 329-341. | 0.6 | 144 |
| 9 | Prey choice and habitat use drive sea otter pathogen exposure in a resource-limited coastal system. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2242-2247. | 3.3 | 120 |
| 10 | SEA OTTER POPULATION DECLINES IN THE ALEUTIAN ARCHIPELAGO. Journal of Mammalogy, 2003, 84, 55-64. | 0.6 | 110 |
| 11 | Ontogenetic and Among-Individual Variation in Foraging Strategies of Northeast Pacific White Sharks Based on Stable Isotope Analysis. PLoS ONE, 2012, 7, e45068. | 1.1 | 104 |
| 12 | Predicting community responses to perturbations in the face of imperfect knowledge and network complexity. Ecology, 2011, 92, 836-846. | 1.5 | 96 |
| 13 | Individual dietary specialization and dive behaviour in the California sea otter: Using archival timeâ€“depth data to detect alternative foraging strategies. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 330-342. | 0.6 | 94 |
| 14 | Variation in Î´<sup>13</sup>C and Î´<sup>15</sup>N dietâ€“vibrissae trophic discrimination factors in a wild population of California sea otters. Ecological Applications, 2010, 20, 1744-1752. | 1.8 | 87 |
| 15 | Sudden collapse of a mesopredator reveals its complementary role in mediating rocky reef regime shifts. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180553. | 1.2 | 79 |
| 16 | The interaction of intraspecific competition and habitat on individual diet specialization: a near range-wide examination of sea otters. Oecologia, 2015, 178, 45-59. | 0.9 | 77 |
| 17 | High mortality of loggerhead turtles due to bycatch, human consumption and strandings at Baja California Sur, Mexico, 2003 to 2007. Endangered Species Research, 2008, 5, 171-183. | 1.2 | 74 |
| 18 | USING DEMOGRAPHY AND MOVEMENT BEHAVIOR TO PREDICT RANGE EXPANSION OF THE SOUTHERN SEA OTTER. Ecological Applications, 2008, 18, 1781-1794. | 1.8 | 65 |

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|---|---|---|---|
| 19 | Dramatic increase in sea otter mortality from white sharks in California. Marine Mammal Science, 2016, 32, 309-326. | 0.9 | 64 |
| 20 | Energetic demands of immature sea otters from birth to weaning: implications for maternal costs, reproductive behavior and population-level trends. Journal of Experimental Biology, 2014, 217, 2053-2061. | 0.8 | 62 |
| 21 | INCORPORATING DIVERSE DATA AND REALISTIC COMPLEXITY INTO DEMOGRAPHIC ESTIMATION PROCEDURES FOR SEA OTTERS. , 2006, 16, 2293-2312. | | 60 |
| 22 | Using Ecological Function to Develop Recovery Criteria for Depleted Species: Sea Otters and Kelp Forests in the Aleutian Archipelago. Conservation Biology, 2010, 24, 852-860. | 2.4 | 59 |
| 23 | Prevalence, Environmental Loading, and Molecular Characterization of Cryptosporidium and Giardia Isolates from Domestic and Wild Animals along the Central California Coast. Applied and Environmental Microbiology, 2012, 78, 8762-8772. | 1.4 | 50 |
| 24 | Aquatic Adaptation and Depleted Diversity: A Deep Dive into the Genomes of the Sea Otter and Giant Otter. Molecular Biology and Evolution, 2019, 36, 2631-2655. | 3.5 | 48 |
| 25 | Behavioral responses across a mosaic of ecosystem states restructure a sea otterâ€“urchin trophic cascade. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 46 |
| 26 | Ecological drivers of variation in tool-use frequency across sea otter populations. Behavioral Ecology, 2015, 26, 519-526. | 1.0 | 43 |
| 27 | Are the ghosts of natureâ€™s past haunting ecology today?. Current Biology, 2018, 28, R532-R537. | 1.8 | 43 |
| 28 | Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. Science, 2020, 369, 1351-1354. | 6.0 | 43 |
| 29 | Patterns of growth and body condition in sea otters from the Aleutian archipelago before and after the recent population decline. Journal of Animal Ecology, 2006, 75, 978-989. | 1.3 | 42 |
| 30 | MORTALITY SENSITIVITY IN LIFE-STAGE SIMULATION ANALYSIS: A CASE STUDY OF SOUTHERN SEA OTTERS. , 2004, 14, 1554-1565. | | 39 |
| 31 | Gene transcription in sea otters (Enhydra lutris); development of a diagnostic tool for sea otter and ecosystem health. Molecular Ecology Resources, 2012, 12, 67-74. | 2.2 | 39 |
| 32 | Timescales alter the inferred strength and temporal consistency of intraspecific diet specialization. Oecologia, 2015, 178, 61-74. | 0.9 | 38 |
| 33 | ATTACKS ON SEA OTTERS BY KILLER WHALES. Marine Mammal Science, 1998, 14, 888-894. | 0.9 | 37 |
| 34 | Sea otters in a dirty ocean. Journal of the American Veterinary Medical Association, 2007, 231, 1648-1652. | 0.2 | 36 |
| 35 | Predicting animal homeâ€range structure and transitions using a multistate Ornsteinâ€Uhlenbeck biased random walk. Ecology, 2017, 98, 32-47. | 1.5 | 36 |
| 36 | Permissible Home Range Estimation (PHRE) in Restricted Habitats: A New Algorithm and an Evaluation for Sea Otters. PLoS ONE, 2016, 11, e0150547. | 1.1 | 36 |

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|---|---|---|---|
| 37 | CONTINUING SEA OTTER POPULATION DECLINES IN THE ALEUTIAN ARCHIPELAGO. Marine Mammal Science, 2005, 21, 169-172. | 0.9 | 35 |
| 38 | The cost of reproduction: differential resource specialization in female and male California sea otters. Oecologia, 2015, 178, 17-29. | 0.9 | 34 |
| 39 | Sea otters are recolonizing southern California in fits and starts. Ecosphere, 2014, 5, 1-11. | 1.0 | 31 |
| 40 | Trade-offs between energy maximization and parental care in a central place forager, the sea otter. Behavioral Ecology, 2016, 27, 1552-1566. | 1.0 | 30 |
| 41 | Trends and Carrying Capacity of Sea Otters in Southeast Alaska. Journal of Wildlife Management, 2019, 83, 1073-1089. | 0.7 | 29 |
| 42 | Predators, Disease, and Environmental Change in the Nearshore Ecosystem: Mortality in Southern Sea Otters (Enhydra lutris nereis) From 1998â€“2012. Frontiers in Marine Science, 2020, 7, . | 1.2 | 25 |
| 43 | THE HIGH COST OF MOTHERHOOD: END-LACTATION SYNDROME IN SOUTHERN SEA OTTERS (ENHYDRA) Tj ETQq1 1 0.784314 rgBT | 0.3 | 23 |
| 44 | Concentration and retention of <scp>T</scp>oxoplasma gondii oocysts by marine snails demonstrate a novel mechanism for transmission of terrestrial zoonotic pathogens in coastal ecosystems. Environmental Microbiology, 2015, 17, 4527-4537. | 1.8 | 21 |
| 45 | Sea otter mortality in fish and shellfish traps: estimating potential impacts and exploring possible solutions. Endangered Species Research, 2011, 13, 219-229. | 1.2 | 21 |
| 46 | Gaps in kelp cover may threaten the recovery of California sea otters. Ecography, 2018, 41, 1751-1762. | 2.1 | 20 |
| 47 | Surrogate rearing a keystone species to enhance population and ecosystem restoration. Oryx, 2021, 55, 535-545. | 0.5 | 20 |
| 48 | Exposure to domoic acid is an ecological driver of cardiac disease in southern sea ottersâœ°. Harmful Algae, 2021, 101, 101973. | 2.2 | 20 |
| 49 | Ecosystem features determine seagrass community response to sea otter foraging. Marine Pollution Bulletin, 2018, 134, 134-144. | 2.3 | 19 |
| 50 | Defining the risk landscape in the context of pathogen pollution: Toxoplasma gondii in sea otters along the Pacific Rim. Royal Society Open Science, 2018, 5, 171178. | 1.1 | 19 |
| 51 | A multiâ€decade time series of kelp forest community structure at San Nicolas Island, California (USA). Ecology, 2013, 94, 2654-2654. | 1.5 | 18 |
| 52 | Lesions and Behavior Associated with Forced Copulation of Juvenile Pacific Harbor Seals (<I>Phoca vitulina richardsi</I>) by Southern Sea Otters (<I>Enhydra lutris) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 150 137 Td | 0.4 | 17 |
| 53 | An Online Database for Informing Ecological Network Models: http://kelpforest.ucsc.edu. PLoS ONE, 2014, 9, e109356. | 1.1 | 17 |
| 54 | Effects of wildfire on sea otter (Enhydra lutris) gene transcript profiles. Marine Mammal Science, 2015, 31, 191-210. | 0.9 | 16 |

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|---|---|---|---|
| 55 | The Use of Quantitative Models in Sea Otter Conservation. , 2015, , 257-300. | | 16 |
| 56 | Evaluating potential conservation conflicts between two listed species: sea otters and black abalone. Ecology, 2015, 96, 3102-3108. | 1.5 | 16 |
| 57 | Species recovery and recolonization of past habitats: lessons for science and conservation from sea otters in estuaries. PeerJ, 2019, 7, e8100. | 0.9 | 16 |
| 58 | Food abundance, prey morphology, and diet specialization influence individual sea otter tool use. Behavioral Ecology, 2017, 28, 1206-1216. | 1.0 | 15 |
| 59 | Active touch in sea otters: in-air and underwater texture discrimination thresholds and behavioral strategies for paws and vibrissae. Journal of Experimental Biology, 2018, 221, . | 0.8 | 15 |
| 60 | Sex and occupation time influence niche space of a recovering keystone predator. Ecology and Evolution, 2019, 9, 3321-3334. | 0.8 | 14 |
| 61 | Habitat Features Predict Carrying Capacity of a Recovering Marine Carnivore. Journal of Wildlife Management, 2021, 85, 303-323. | 0.7 | 14 |
| 62 | Carrying Capacity and Pre-Decline Abundance of Sea Otters (Enhydra lutris kenyoni) in the Aleutian Islands. , 2003, 84, 145. | | 13 |
| 63 | PERSISTENT ORGANIC POLLUTANTS IN THE BLOOD OF FREE-RANGING SEA OTTERS (ENHYDRA LUTRIS SSP.) IN ALASKA AND CALIFORNIA. Journal of Wildlife Diseases, 2010, 46, 1214-1233. | 0.3 | 13 |
| 64 | Sea otter population collapse in southwest Alaska: assessing ecological covariates, consequences, and causal factors. Ecological Monographs, 2021, 91, e01472. | 2.4 | 13 |
| 65 | Concentration and retention of Toxoplasma gondii surrogates from seawater by red abalone (Haliotis rufescens). Parasitology, 2016, 143, 1703-1712. | 0.7 | 12 |
| 66 | Lactation and resource limitation affect stress responses, thyroid hormones, immune function, and antioxidant capacity of sea otters ( Enhydra lutris ). Ecology and Evolution, 2018, 8, 8433-8447. | 0.8 | 12 |
| 67 | Physical disturbance by recovering sea otter populations increases eelgrass genetic diversity. Science, 2021, 374, 333-336. | 6.0 | 12 |
| 68 | Influence of occupation history and habitat on Washington sea otter diet. Marine Mammal Science, 2019, 35, 1369-1395. | 0.9 | 11 |
| 69 | Robust age estimation of southern sea otters from multiple morphometrics. Ecology and Evolution, 2020, 10, 8592-8609. | 0.8 | 11 |
| 70 | Clinical Signs and Pathology Associated With Domoic Acid Toxicosis in Southern Sea Otters (Enhydra) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.2 | 11 |
| 71 | Reductions in the dietary niche of southern sea otters (Enhydra lutris nereis) from the Holocene to the Anthropocene. Ecology and Evolution, 2020, 10, 3318-3329. | 0.8 | 10 |
| 72 | Testing the nutritional-limitation, predator-avoidance, and storm-avoidance hypotheses for restricted sea otter habitat use in the Aleutian Islands, Alaska. Oecologia, 2015, 177, 645-655. | 0.9 | 9 |

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|---|---|---|---|
| 73 | Asynchrony in craniomandibular development and growth in Enhydra lutris nereis (Carnivora:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 420-438. | 0.7 | 9 |
| 74 | Spatial epidemiological patterns suggest mechanisms of land-sea transmission for Sarcocystis neurona in a coastal marine mammal. Scientific Reports, 2020, 10, 3683. | 1.6 | 9 |
| 75 | Stability and Change in Kelp Forest Habitats at San Nicolas Island. Western North American Naturalist, 2018, 78, 633. | 0.2 | 9 |
| 76 | Wild sea otter mussel pounding leaves archaeological traces. Scientific Reports, 2019, 9, 4417. | 1.6 | 8 |
| 77 | Alternations in the foraging behaviour of a primary consumer drive patch transition dynamics in a temperate rocky reef ecosystem. Ecology Letters, 2022, 25, 1827-1838. | 3.0 | 8 |
| 78 | Mitogenomes and relatedness do not predict frequency of tool-use by sea otters. Biology Letters, 2017, 13, 20160880. | 1.0 | 7 |
| 79 | Locationâ€specific factors influence patterns and effects of subsistence sea otter harvest in Southeast Alaska. Ecosphere, 2019, 10, e02874. | 1.0 | 7 |
| 80 | The reproductive behavior and energetics of male gray seals ( Halichoerus grypus ) breeding on a land-fast ice substrate. Behavioral Ecology and Sociobiology, 1995, 36, 159-170. | 0.6 | 7 |
| 81 | Characterizing the oral and distal gut microbiota of the threatened southern sea otter (<i>Enhydra) Tj ETQq1 1 0.784314 rgBT /Overlock | 0.9 | 7 |
| 82 | Southeast Alaskan kelp forests: inferences of process from large-scale patterns of variation in space and time. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20211697. | 1.2 | 4 |
| 83 | Translocations maintain genetic diversity and increase connectivity in sea otters, Enhydra lutris. Marine Mammal Science, 2021, 37, 1475-1497. | 0.9 | 3 |
| 84 | Characterizing the impact of recovering sea otters on commercially important crabs in California estuaries. Marine Ecology - Progress Series, 2020, 655, 123-137. | 0.9 | 3 |
| 85 | Seabird meta-Population Viability Model (mPVA) methods. MethodsX, 2022, 9, 101599. | 0.7 | 3 |
| 86 | Status, trends, and equilibrium abundance estimates of the translocated sea otter population in Washington State. Journal of Wildlife Management, 2022, 86, . | 0.7 | 2 |
| 87 | INCORPORATING DIVERSE DATA AND REALISTIC COMPLEXITY INTO DEMOGRAPHIC ESTIMATION PROCEDURES FOR SEA OTTERS. , 2006, 16, 2293. | | 1 |
| 88 | INVESTIGATING ASSOCIATIONS AMONG RELATEDNESS, GENETIC DIVERSITY, AND CAUSES OF MORTALITY IN SOUTHERN SEA OTTERS (ENHYDRA LUTRIS NEREIS). Journal of Wildlife Diseases, 2022, 58, . | 0.3 | 0 |