

# James A Estes

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51 papers	8,760 citations	31 h-index	51 g-index
51 ext. papers	10,244 ext. citations	9.7 avg, IF	5.68 L-index

#	Paper	IF	Citations
51	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	4.4	0
50	Genomic basis for skin phenotype and cold adaptation in the extinct Steller's sea cow.. <i>Science Advances</i> , <b>2022</b> , 8, eabl6496	14.3	0
49	Physical disturbance by recovering sea otter populations increases eelgrass genetic diversity. <i>Science</i> , <b>2021</b> , 374, 333-336	33.3	6
48	Costs and benefits of living with predators. <i>Science</i> , <b>2020</b> , 368, 1178-1180	33.3	3
47	Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. <i>Science</i> , <b>2020</b> , 369, 1351-1354	33.3	17
46	Size, growth, and density data for shallow-water sea urchins from Mexico to the Aleutian Islands, Alaska, 1956-2016. <i>Ecology</i> , <b>2018</b> , 99, 761	4.6	8
45	Historical and potential future importance of large whales as food for polar bears. <i>Frontiers in Ecology and the Environment</i> , <b>2018</b> , 16, 515-524	5.5	54
44	Robert Treat Paine III (1933-2016). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 6881-6882	11.5	0
43	Characterizing Species Interactions to Understand Press Perturbations: What Is the Community Matrix?. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2016</b> , 47, 409-432	13.5	55
42	A keystone ecologist: Robert Treat Paine, 1933-2016. <i>Ecology</i> , <b>2016</b> , 97, 2905-2909	4.6	1
41	What is a Trophic Cascade?. <i>Trends in Ecology and Evolution</i> , <b>2016</b> , 31, 842-849	10.9	143
40	Global patterns of kelp forest change over the past half-century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 13785-13790	11.5	304
39	Megafaunal Impacts on Structure and Function of Ocean Ecosystems. <i>Annual Review of Environment and Resources</i> , <b>2016</b> , 41, 83-116	17.2	93
38	Sea otters, kelp forests, and the extinction of Steller's sea cow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 880-5	11.5	38
37	Principles for managing marine ecosystems prone to tipping points. <i>Ecosystem Health and Sustainability</i> , <b>2015</b> , 1, 1-18	3.7	110
36	Marine defaunation: animal loss in the global ocean. <i>Science</i> , <b>2015</b> , 347, 1255641	33.3	653
35	Animating the Carbon Cycle. <i>Ecosystems</i> , <b>2014</b> , 17, 344-359	3.9	123

34	Salmon, seabirds, and ecosystem dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6534-5	11.5	3
33	Status and ecological effects of the world's largest carnivores. <i>Science</i> , <b>2014</b> , 343, 1241-484	33.3	1711
32	Whales as marine ecosystem engineers. <i>Frontiers in Ecology and the Environment</i> , <b>2014</b> , 12, 377-385	5.5	211
31	Biological interactions maintain the boundaries between kelp forests and urchin barrens in the Aleutian Archipelago. <i>Hydrobiologia</i> , <b>2014</b> , 724, 91-107	2.4	20
30	Predicting and detecting reciprocity between indirect ecological interactions and evolution. <i>American Naturalist</i> , <b>2013</b> , 181 Suppl 1, S76-99	3.7	31
29	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	10	124
28	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	8.4	30
27	Organochlorine contaminants in coastal marine ecosystems of southern Alaska: inferences from spatial patterns in blue mussels ( <i>Mytilus trossulus</i> ). <i>Chemosphere</i> , <b>2012</b> , 88, 873-80	8.4	7
26	Do trophic cascades affect the storage and flux of atmospheric carbon? An analysis of sea otters and kelp forests. <i>Frontiers in Ecology and the Environment</i> , <b>2012</b> , 10, 409-415	5.5	108
25	Stability, resilience, and phase shifts in rocky subtidal communities along the west coast of Vancouver Island, Canada. <i>Ecological Monographs</i> , <b>2011</b> , 81, 215-239	9	114
24	Trophic downgrading of planet Earth. <i>Science</i> , <b>2011</b> , 333, 301-6	33.3	2365
23	Managing for extinction? Conflicting conservation objectives in a large marine reserve. <i>Conservation Letters</i> , <b>2011</b> , 4, 417-422	6.9	9
22	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	6	50
21	Persistent organic pollutants in the blood of free-ranging sea otters ( <i>Enhydra lutris</i> ssp.) in Alaska and California. <i>Journal of Wildlife Diseases</i> , <b>2010</b> , 46, 1214-33	1.3	12
20	Organochlorine contaminants in fishes from coastal waters west of Amukta Pass, Aleutian Islands, Alaska, USA. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 1643-54	3.8	9
19	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	4.6	229
18	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	11.5	279
17	Using demography and movement behavior to predict range expansion of the southern sea otter <b>2008</b> , 18, 1781-94		50

16	AN INTRODUCED PREDATOR ALTERS ALEUTIAN ISLAND PLANT COMMUNITIES BY THWARTING NUTRIENT SUBSIDIES. <i>Ecological Monographs</i> , <b>2006</b> , 76, 3-24	9	149
15	Incorporating diverse data and realistic complexity into demographic estimation procedures for sea otters <b>2006</b> , 16, 2293-312		51
14	Evolution of large body size in abalones (Haliotis): patterns and implications. <i>Paleobiology</i> , <b>2005</b> , 31, 591-606	29	
13	KILLER APPETITES: ASSESSING THE ROLE OF PREDATORS IN ECOLOGICAL COMMUNITIES. <i>Ecology</i> , <b>2004</b> , 85, 3373-3384	4.6	178
12	MORTALITY SENSITIVITY IN LIFE-STAGE SIMULATION ANALYSIS: A CASE STUDY OF SOUTHERN SEA OTTERS <b>2004</b> , 14, 1554-1565		28
11	SEA OTTER POPULATION DECLINES IN THE ALEUTIAN ARCHIPELAGO. <i>Journal of Mammalogy</i> , <b>2003</b> , 84, 55-64	1.8	87
10	Clinical pathology and assessment of pathogen exposure in southern and Alaskan sea otters. <i>Journal of Wildlife Diseases</i> , <b>2003</b> , 39, 837-50	1.3	50
9	Ecological Effectiveness: Conservation Goals for Interactive Species. <i>Conservation Biology</i> , <b>2003</b> , 17, 1238-1250	289	
8	Life history plasticity and population regulation in sea otters. <i>Oikos</i> , <b>2000</b> , 90, 457-468	4	63
7	Comparison of organochlorine contaminants among sea otter ( <i>Enhydra lutris</i> ) populations in California and Alaska. <i>Environmental Toxicology and Chemistry</i> , <b>1999</b> , 18, 452-458	3.8	28
6	Sea Otters and Kelp Forests in Alaska: Generality and Variation in a Community Ecological Paradigm. <i>Ecological Monographs</i> , <b>1995</b> , 65, 75-100	9	498
5	Indices Used to Assess Status of Sea Otter Populations: A Reply. <i>Journal of Wildlife Management</i> , <b>1990</b> , 54, 270	1.9	3
4	Growth and Equilibrium in Sea Otter Populations. <i>Journal of Animal Ecology</i> , <b>1990</b> , 59, 385	4.7	100
3	Predation, herbivory, and kelp evolution. <i>Paleobiology</i> , <b>1988</b> , 14, 19-36	2.6	169
2	Activity and Prey Election in the Sea Otter: Influence of Population Status on Community Structure. <i>American Naturalist</i> , <b>1982</b> , 120, 242-258	3.7	67
1	Sea otter population collapse in southwest Alaska: assessing ecological covariates, consequences, and causal factors. <i>Ecological Monographs</i> , <b>2014</b> , 84, 1-14	9	1