

Mark D Scheuerell

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

4,026
citations

136950

32
h-index

118850

62
g-index

66
all docs

66
docs citations

66
times ranked

4257
citing authors

#	ARTICLE	IF	CITATIONS
1	Habitat coupling in lake ecosystems. <i>Oikos</i> , 2002, 98, 177-189.	2.7	556
2	STATE OF THEWORLD'SFISHERIES. <i>Annual Review of Environment and Resources</i> , 2003, 28, 359-399.	13.4	279
3	Pacific salmon and the ecology of coastal ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 31-37.	4.0	274
4	Joint dynamic species distribution models: a tool for community ordination and spatio-temporal monitoring. <i>Global Ecology and Biogeography</i> , 2016, 25, 1144-1158.	5.8	148
5	DIEL VERTICAL MIGRATION BY JUVENILE SOCKEYE SALMON: EMPIRICAL EVIDENCE FOR THE ANTIPREDATION WINDOW. <i>Ecology</i> , 2003, 84, 1713-1720.	3.2	145
6	EFFECTS OF CHANGING CLIMATE ON ZOOPLANKTON AND JUVENILE SOCKEYE SALMON GROWTH IN SOUTHWESTERN ALASKA. <i>Ecology</i> , 2005, 86, 198-209.	3.2	137
7	Spatial factor analysis: a new tool for estimating joint species distributions and correlations in species range. <i>Methods in Ecology and Evolution</i> , 2015, 6, 627-637.	5.2	135
8	Evolutionary responses by native species to major anthropogenic changes to their ecosystems: Pacific salmon in the Columbia River hydropower system. <i>Molecular Ecology</i> , 2008, 17, 84-96.	3.9	122
9	Relating juvenile migration timing and survival to adulthood in two species of threatened Pacific salmon (<i>Oncorhynchus</i> spp.). <i>Journal of Applied Ecology</i> , 2009, 46, 983-990.	4.0	117
10	Using Time Series Analysis to Characterize Evolutionary and Plastic Responses to Environmental Change: A Case Study of a Shift toward Earlier Migration Date in Sockeye Salmon. <i>American Naturalist</i> , 2011, 178, 755-773.	2.1	103
11	Habitat structure determines resource use by zooplankton in temperate lakes. <i>Ecology Letters</i> , 2011, 14, 364-372.	6.4	101
12	Changes in the Spatial Distribution of Fishes in Lakes Along a Residential Development Gradient. <i>Ecosystems</i> , 2004, 7, 98-106.	3.4	98
13	The Shiraz model: a tool for incorporating anthropogenic effects and fish-habitat relationships in conservation planning. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1596-1607.	1.4	97
14	Exotic Species in the Hudson River Basin: A History of Invasions and Introductions. <i>Estuaries and Coasts</i> , 1996, 19, 814.	1.7	92
15	Watershed geomorphology and snowmelt control stream thermal sensitivity to air temperature. <i>Geophysical Research Letters</i> , 2015, 42, 3380-3388.	4.0	92
16	Forecasting climate-induced changes in the survival of Snake River spring/summer Chinook salmon (<i>Oncorhynchus tshawytscha</i>). <i>Fisheries Oceanography</i> , 2005, 14, 448-457.	1.7	91
17	The Interplay between Climate Variability and Density Dependence in the Population Viability of Chinook Salmon. <i>Conservation Biology</i> , 2006, 20, 190-200.	4.7	91
18	Quantifying effects of abiotic and biotic drivers on community dynamics with multivariate autoregressive (MAR) models. <i>Ecology</i> , 2013, 94, 2663-2669.	3.2	91

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19	Disturbance of freshwater habitats by anadromous salmon in Alaska. <i>Oecologia</i> , 2004, 139, 298-308.	2.0	90
20	Varying effects of anadromous sockeye salmon on the trophic ecology of two species of resident salmonids in southwest Alaska. <i>Freshwater Biology</i> , 2007, 52, 1944-1956.	2.4	86
21	Big dams and salmon evolution: changes in thermal regimes and their potential evolutionary consequences. <i>Evolutionary Applications</i> , 2008, 1, 286-299.	3.1	81
22	Coalescence in the Lake Washington story: Interaction strengths in a planktonic food web. <i>Limnology and Oceanography</i> , 2006, 51, 2042-2051.	3.1	67
23	A new perspective on the importance of marine-derived nutrients to threatened stocks of Pacific salmon (<i>Oncorhynchus</i> spp.). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 961-964.	1.4	59
24	Lake Eutrophication at the Urban Fringe, Seattle Region, USA. <i>Ambio</i> , 2003, 32, 13-18.	5.5	55
25	Using an unplanned experiment to evaluate the effects of hatcheries and environmental variation on threatened populations of wild salmon. <i>Biological Conservation</i> , 2009, 142, 2449-2455.	4.1	52
26	Performance of salmon fishery portfolios across western North America. <i>Journal of Applied Ecology</i> , 2014, 51, 1554-1563.	4.0	51
27	Population coherence and environmental impacts across spatial scales: a case study of Chinook salmon. <i>Ecosphere</i> , 2016, 7, e01333.	2.2	47
28	Climate and intraspecific competition control the growth and life history of juvenile sockeye salmon (<i>Oncorhynchus nerka</i>) in Iliamna Lake, Alaska. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 238-246.	1.4	45
29	Climate shifts the interaction web of a marine plankton community. <i>Global Change Biology</i> , 2012, 18, 2498-2508.	9.5	45
30	Translating restoration scenarios into habitat conditions: an initial step in evaluating recovery strategies for Chinook salmon (<i>Oncorhynchus tshawytscha</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1578-1595.	1.4	37
31	Spatial variation buffers temporal fluctuations in early juvenile survival for an endangered Pacific salmon. <i>Journal of Animal Ecology</i> , 2014, 83, 157-167.	2.8	37
32	Spatial and Temporal Dynamics of Early Feeding Demand and Food Supply for Sockeye Salmon Fry in Lake Washington. <i>Transactions of the American Fisheries Society</i> , 2004, 133, 1014-1032.	1.4	35
33	Variation in spatial and temporal gradients in zooplankton spring development: the effect of climatic factors. <i>Freshwater Biology</i> , 2005, 50, 1007-1021.	2.4	31
34	Spatial heterogeneity contributes more to portfolio effects than species variability in bottom-associated marine fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180915.	2.6	31
35	Oceanographic influences on patterns in North Pacific salmon abundance. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 226-235.	1.4	29
36	Environmental and algal forcing of <i>Daphnia</i> production dynamics. <i>Limnology and Oceanography</i> , 2002, 47, 1477-1485.	3.1	26

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37	Shifting Regimes and Changing Interactions in the Lake Washington, U.S.A., Plankton Community from 1962–1994. PLoS ONE, 2014, 9, e110363.	2.5	26
38	Comparison of acoustic and Miller high-speed sampler estimates of larval fish abundance in Oneida Lake, New York. Fisheries Research, 2002, 57, 145-154.	1.7	23
39	Interacting Effects of Translocation, Artificial Propagation, and Environmental Conditions on the Marine Survival of Chinook Salmon from the Columbia River, Washington, U.S.A.. Conservation Biology, 2012, 26, 912-922.	4.7	22
40	Detecting Signals of Large-scale Climate Phenomena in Discharge and Nutrient Loads in the Mississippi–Atchafalaya River Basin. Geophysical Research Letters, 2019, 46, 3791-3801.	4.0	21
41	Long-term perspectives in aquatic research. Limnology and Oceanography, 2019, 64, S2.	3.1	21
42	Demographic modeling of citizen science data informs habitat preferences and population dynamics of recovering fishes. Ecology, 2014, 95, 3251-3258.	3.2	18
43	Fertilizer legacies meet saltwater incursion: challenges and constraints for coastal plain wetland restoration. Elementa, 2017, 5, .	3.2	18
44	Assessing freshwater life-stage vulnerability of an endangered Chinook salmon population to climate change influences on stream habitat. Climate Research, 2016, 71, 127-137.	1.1	18
45	Temporal dynamics in foraging behavior of a pelagic predator. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 2494-2501.	1.4	17
46	Influence of Juvenile Size on the Age at Maturity of Individually Marked Wild Chinook Salmon. Transactions of the American Fisheries Society, 2005, 134, 999-1004.	1.4	16
47	Limited evidence for sardine and anchovy asynchrony: re-examining an old story. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192781.	2.6	16
48	Assessing spatial covariance among time series of abundance. Ecology and Evolution, 2016, 6, 2472-2485.	1.9	15
49	Analyzing large-scale conservation interventions with Bayesian hierarchical models: a case study of supplementing threatened Pacific salmon. Ecology and Evolution, 2015, 5, 2115-2125.	1.9	14
50	Effects of predators and food supply on diel vertical migration of <i>Daphnia</i> . , 1993, , 153-171.		11
51	QUANTIFYING AGGREGATION AND ASSOCIATION IN THREE-DIMENSIONAL LANDSCAPES. Ecology, 2004, 85, 2332-2340.	3.2	10
52	Assessing marine plankton community structure from long-term monitoring data with multivariate autoregressive (MAR) models: a comparison of fixed station versus spatially distributed sampling data. Limnology and Oceanography: Methods, 2012, 10, 54-64.	2.0	10
53	An explicit solution for calculating optimum spawning stock size from Ricker's stock recruitment model. PeerJ, 2016, 4, e1623.	2.0	10
54	Coherent population dynamics associated with sockeye salmon juvenile life history strategies. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 1346-1356.	1.4	9

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55	Warmer Winters Increase the Biomass of Phytoplankton in a Large Floodplain River. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006135.	3.0	9
56	Applying spatiotemporal models to monitoring data to quantify fish population responses to the Deepwater Horizon oil spill in the Gulf of Mexico. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 530.	2.7	7
57	Multi-decadal shifts in the distribution and timing of Pacific herring (<i>Clupea pallasii</i>) spawning in Prince William Sound, Alaska. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1611-1627.	1.4	7
58	Influence of ocean and freshwater conditions on Columbia River sockeye salmon <i>Oncorhynchus nerka</i> adult return rates. <i>Fisheries Oceanography</i> , 2014, 23, 210-224.	1.7	6
59	Characterizing the strength of density dependence in at-risk species through Bayesian model averaging. <i>Ecological Modelling</i> , 2018, 381, 1-9.	2.5	6
60	An integrated population model for estimating the relative effects of natural and anthropogenic factors on a threatened population of steelhead trout. <i>Journal of Applied Ecology</i> , 2021, 58, 114-124.	4.0	6
61	Improving short-term recruitment forecasts for coho salmon using a spatiotemporal integrated population model. <i>Fisheries Research</i> , 2021, 242, 106014.	1.7	6
62	Pacific Salmon and the Ecology of Coastal Ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 31.	4.0	4
63	Estimating Common Growth Patterns in Juvenile Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) from Diverse Genetic Stocks and a Large Spatial Extent. <i>PLoS ONE</i> , 2016, 11, e0162121.	2.5	3
64	Multi-Scale Temporal Patterns in Stream Biogeochemistry Indicate Linked Permafrost and Ecological Dynamics of Boreal Catchments. <i>Ecosystems</i> , 2022, 25, 1189-1206.	3.4	3
65	Multidecadal Trends in Body Size of Puget Sound Chinook Salmon: Analysis of Data from the Tengu Derby, a Culturally Unique Fishery. <i>Marine and Coastal Fisheries</i> , 2022, 14, .	1.4	0