Anna Kuparinen

List of Publications by Year
in descending order

85 papers	4,140 citations	136950 32 h-index	123424 61 g-index
86 all docs	86 docs citations	86 times ranked	5304 citing authors

#	Article	IF	Citations
1	Species interactions, environmental gradients and body size shape population niche width. Journal of Animal Ecology, 2022, 91, 154-169.	2.8	2
2	Allee effects and the Allee-effect zone in northwest Atlantic cod. Biology Letters, 2022, 18, 20210439.	2.3	10
3	Gill area explains deviations from body size â€•metabolic rate relationship in teleost fishes. Journal of Fish Biology, 2022, , .	1.6	2
4	Are there plenty of fish in the sea? How life history traits affect the eco-evolutionary consequences of population oscillations. Fisheries Research, 2022, 254, 106409.	1.7	1
5	A modified niche model for generating food webs with stageâ€structured consumers: The stabilizing effects of lifeâ€history stages on complex food webs. Ecology and Evolution, 2021, 11, 4101-4125.	1.9	4
6	Throwing down a genomic gauntlet on fisheries-induced evolution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
7	Marine food web perspective to fisheriesâ€•induced evolution. Evolutionary Applications, 2021, 14, 2378-2391.	3.1	14
8	Corrigendum to: When phenotypes fail to illuminate underlying genetic processes in fish and fisheries science. ICES Journal of Marine Science, 2021, 78, 1554-1554.	2.5	0
9	Multipleâ€batch spawning as a betâ€hedging strategy in highly stochastic environments: An exploratory analysis of Atlantic cod. Evolutionary Applications, 2021, 14, 1980-1992.	3.1	13
10	Age is not just a numberâ€”Mathematical model suggests senescence affects how fish populations respond to different fishing regimes. Ecology and Evolution, 2021, 11, 13363-13378.	1.9	3
11	The effect of fish life-history structures on the topologies of aquatic food webs. Food Webs, 2021, , e00213.	1.2	3
12	Consequences of Single-Locus and Tightly Linked Genomic Architectures for Evolutionary Responses to Environmental Change. Journal of Heredity, 2020, 111, 319-332.	2.4	36
13	Exploring individual and population eco-evolutionary feedbacks under the coupled effects of fishing and predation. Fisheries Research, 2020, 231, 105713.	1.7	5
14	Ecoâ€evolutionary dynamics driven by fishing: From single species models to dynamic evolution within complex food webs. Evolutionary Applications, 2020, 13, 2507-2520.	3.1	9
15	Attuning to a changing ocean. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20363-20371.	7.1	9
16	Atlantic cod recovery from the Allee effect zone: contrasting ecological and evolutionary rescue. Fish and Fisheries, 2020, 21, 916-926.	5.3	4
17	Size does matter â€” the eco-evolutionary effects of changing body size in fish. Environmental Reviews, 2020, 28, 311-324.	4.5	12
18	Implications of fisheriesâ€•induced evolution for population recovery: Refocusing the science and refining its communication. Fish and Fisheries, 2020, 21, 453-464.	5.3	29

#	Article	IF	Citations
19	Cyclical and stochastic thermal variability affects survival and growth in brook trout. Journal of Thermal Biology, 2019, 84, 221-227.	2.5	7
20	The role of fish life histories in allometrically scaled foodâ€web dynamics. Ecology and Evolution, 2019, 9, 3651-3660.	1.9	14
21	When phenotypes fail to illuminate underlying genetic processes in fish and fisheries science. ICES Journal of Marine Science, 2019, 76, 999-1006.	2.5	11
22	Environmentallyâ€induced noise dampens and reddens with increasing trophic level in a complex food web. Oikos, 2019, 128, 608-620.	2.7	12
23	Sustainability of Fishing Is about Abundance: A Response to Bernatchez et al.. Trends in Ecology and Evolution, 2018, 33, 307-308.	8.7	2
24	The mechanistic basis of demographic Allee effects: The search for mates. Journal of Animal Ecology, 2018, 87, 4-6.	2.8	4
25	Speciesâ€™ ecological functionality alters the outcome of fish stocking success predicted by a food-web model. Royal Society Open Science, 2018, 5, 180465.	2.4	5
26	Harvest-induced evolution: insights from aquatic and terrestrial systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160036.	4.0	95
27	Empirical links between natural mortality and recovery in marine fishes. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170693.	2.6	18
28	Genetic architecture of age at maturity can generate divergent and disruptive harvest-induced evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160035.	4.0	31
29	Detection of Allee effects in marine fishes: analytical biases generated by data availability and model selection. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171284.	2.6	28
30	Toward a mechanistic understanding of vulnerability to hookâ€andâ€line fishing: Boldness as the basic target of anglingâ€induced selection. Evolutionary Applications, 2017, 10, 994-1006.	3.1	53
31	Examining nonstationarity in the recruitment dynamics of fishes using Bayesian change point analysis. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 751-765.	1.4	14
32	Age at maturation has sex- and temperature-specific effects on telomere length in a fish. Oecologia, 2017, 184, 767-777.	2.0	13
33	The role of life histories and trophic interactions in population recovery. Conservation Biology, 2016, 30, 734-743.	4.7	17
34	Harvestâ€induced evolution and effective population size. Evolutionary Applications, 2016, 9, 658-672.	3.1	29
35	Altered trait variability in response to size-selective mortality. Biology Letters, 2016, 12, 20160584.	2.3	20
36	Fishing-induced life-history changes degrade and destabilize harvested ecosystems. Scientific Reports, 2016, 6, 22245.	3.3	89

#	Article	IF	Citations
37	A matter of dispersal: REVEALSinR introduces state-of-the-art dispersal models to quantitative vegetation reconstruction. Vegetation History and Archaeobotany, 2016, 25, 541-553.	2.1	52
38	Trends and management implications of humanâ€influenced lifeâ€history changes in marine ectotherms. Fish and Fisheries, 2016, 17, 1005-1028.	5.3	76
39	Small-scale life history variability suggests potential for spatial mismatches in Atlantic cod management units. ICES Journal of Marine Science, 2016, 73, 286-292.	2.5	14
40	Assessing abundance of populations with limited data: Lessons learned from data-poor fisheries stock assessment. Environmental Reviews, 2016, 24, 25-38.	4.5	61
41	The evolutionary legacy of sizeâ€selective harvesting extends from genes to populations. Evolutionary Applications, 2015, 8, 597-620.	3.1	142
42	The impacts of fish body size changes on stock recovery: a case study using an Australian marine ecosystem model. ICES Journal of Marine Science, 2015, 72, 782-792.	2.5	10
43	Effects of changes in land management practices on pollen productivity of open vegetation during the last century derived from varved lake sediments. Holocene, 2015, 25, 733-744.	1.7	41
44	Connecting the Seas of Norden. Nature Climate Change, 2015, 5, 89-92.	18.8	25
45	Detecting regime shifts in fish stock dynamics. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1619-1628.	1.4	13
46	Increased environmentally driven recruitment variability decreases resilience to fishing and increases uncertainty of recovery. ICES Journal of Marine Science, 2014, 71, 1507-1514.	2.5	27
47	Fundamental populationâ€“productivity relationships can be modified through densityâ€dependent feedbacks of lifeâ€history evolution. Evolutionary Applications, 2014, 7, 1218-1225.	3.1	29
48	Bright moonlight triggers natal dispersal departures. Behavioral Ecology and Sociobiology, 2014, 68, 743.	1.4	4
49	Allee Effect and the Uncertainty of Population Recovery. Conservation Biology, 2014, 28, 790-798.	4.7	52
50	Corylus expansion and persistent openness in the early Holocene vegetation of northern central Europe. Quaternary Science Reviews, 2014, 90, 183-198.	3.0	42
51	Ghosts of fisheries-induced depletions: do they haunt us still?. ICES Journal of Marine Science, 2014, 71, 1467-1473.	2.5	9
52	Increased natural mortality at low abundance can generate an Allee effect in a marine fish. Royal Society Open Science, 2014, 1, 140075.	2.4	21
53	Ecological consequences of body size decline in harvested fish species: positive feedback loops in trophic interactions amplify human impact. Biology Letters, 2013, 9, 20121103.	2.3	134
54	How fast is fisheriesâ€induced evolution? Quantitative analysis of modelling and empirical studies. Evolutionary Applications, 2013, 6, 585-595.	3.1	86

#	Article	IF	Citations
55	Responses of a top and a meso predator and their prey to moon phases. Oecologia, 2013, 173, 753-766.	2.0	74
56	Pollen productivity estimates strongly depend on assumed pollen dispersal. Holocene, 2013, 23, 14-24.	1.7	72
57	Genetic and lifeâ€history changes associated with fisheriesâ€induced population collapse. Evolutionary Applications, 2013, 6, 749-760.	3.1	36
58	Effective size and genetic composition of two exploited, migratory whitefish (Coregonus lavaretus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	6
59	Increasing biological realism of fisheries stock assessment: towards hierarchical Bayesian methods. Environmental Reviews, 2012, 20, 135-151.	4.5	45
60	Consequences of fisheries-induced evolution for population productivity and recovery potential. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2571-2579.	2.6	84
61	Lifeâ€history correlates of extinction risk and recovery potential. Ecological Applications, 2012, 22, 1061-1067.	3.8	162
62	Evolutionary and ecological feedbacks of the survival cost of reproduction. Evolutionary Applications, 2012, 5, 245-255.	3.1	38
63	Longâ€distance gene flow and adaptation of forest trees to rapid climate change. Ecology Letters, 2012, 15, 378-392.	6.4	550
64	Contrasting growth strategies of pond versus marine populations of nine-spined stickleback (Pungitius pungitius): a combined effect of predation and competition?. Evolutionary Ecology, 2012, 26, 109-122.	1.2	29
65	Quantitative Genetics of Body Size and Timing of Maturation in Two Nine-Spined Stickleback (Pungitius) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	36
66	Spread of North American wind-dispersed trees in future environments. Ecology Letters, 2011, 14, 211-219.	6.4	160
67	Theory put into practice: An R implementation of the infinite-dimensional model. Ecological Modelling, 2011, 222, 2027-2030.	2.5	3
68	Individual status, foraging effort and need for conspicuousness shape behavioural responses of a predator to moon phases. Animal Behaviour, 2011, 82, 413-420.	1.9	45
69	Fish age at maturation is influenced by temperature independently of growth. Oecologia, 2011, 167, 435-443.	2.0	53
70	Mechanistic models of seed dispersal by wind. Theoretical Ecology, 2011, 4, 113-132.	1.0	157
71	Effective size of an Atlantic salmon (Salmo salar L.) metapopulation in Northern Spain. Conservation Genetics, 2010, 11, 1559-1565.	1.5	20
72	Increased mortality can promote evolutionary adaptation of forest trees to climate change. Forest Ecology and Management, 2010, 259, 1003-1008.	3.2	129

#	Article	IF	Citations
73	Abiotic and fishing-related correlates of angling catch rates in pike (Esox lucius). Fisheries Research, 2010, 105, 111-117.	1.7	75
74	Variation in the timing of river entry of Atlantic salmon (Salmo salar L.) in the Baltic. Environmental Epigenetics, 2009, 55, 342-349.	1.8	3
75	Increases in air temperature can promote wind-driven dispersal and spread of plants. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3081-3087.	2.6	72
76	Estimating fisheriesâ€induced selection: traditional gear selectivity research meets fisheriesâ€induced evolution. Evolutionary Applications, 2009, 2, 234-243.	3.1	65
77	Assessing the risk of gene flow from genetically modified trees carrying mitigation transgenes. Biological Invasions, 2008, 10, 281-290.	2.4	10
78	The role of growth history in determining age and size at maturation in exploited fish populations. Fish and Fisheries, 2008, 9, 201-207.	5.3	19
79	Probabilistic Models for Continuous Ontogenetic Transition Processes. PLoS ONE, 2008, 3, e3677.	2.5	4
80	Detecting and managing fisheries-induced evolution. Trends in Ecology and Evolution, 2007, 22, 652-659.	8.7	400
81	AIR-MEDIATED POLLEN FLOW FROM GENETICALLY MODIFIED TO CONVENTIONAL CROPS. , 2007, 17, 431-440.		40
82	A flexible modelling framework linking the spatio-temporal dynamics of plant genotypes and populations: Application to gene flow from transgenic forests. Ecological Modelling, 2007, 202, 476-486.	2.5	36
83	Modeling air-mediated dispersal of spores, pollen and seeds in forested areas. Ecological Modelling, 2007, 208, 177-188.	2.5	109
84	Mechanistic models for wind dispersal. Trends in Plant Science, 2006, 11, 296-301.	8.8	132
85	Temporary Allee effects among nonâ€stationary recruitment dynamics in depleted gadid and flatfish populations. Fish and Fisheries, 0, , .	5.3	4