Daniel Ayllon

List of Publications by Year
in descending order

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44 papers	1,408 citations	430874 18 h-index	345221 36 g-index
44 all docs	44 docs citations	44 times ranked	1713 citing authors

#	Article	IF	Citations
1	Escalating the conflict? Intersex genetic correlations influence adaptation to environmental change in facultatively migratory populations. Evolutionary Applications, 2022, 15, 773-789.	3.1	6
2	Seasonal patterns of microhabitat selection in the Southern Iberian spined-loach Cobitis paludica. Aquatic Sciences, 2022, 84, 1.	1.5	0
3	Keeping modelling notebooks with TRACE: Good for you and good for environmental research and management support. Environmental Modelling and Software, 2021, 136, 104932.	4.5	19
4	Importance of the Daily Light Cycle in Populationâ€“Habitat Relations: A Simulation Study. Transactions of the American Fisheries Society, 2021, 150, 130-143.	1.4	13
5	Climate change will render sizeâ€selective harvest of coldâ€water fish species unsustainable in Mediterranean freshwaters. Journal of Applied Ecology, 2021, 58, 562-575.	4.0	12
6	Are the EU biosecurity legislative frameworks sufficiently effective to prevent biological invasions in the Natura 2000 network? â€“ A case study in Mediterranean Europe. Environmental Science and Policy, 2021, 120, 21-28.	4.9	8
7	<scp>InSTREAM</scp> 7: Instream flow assessment and management model for stream trout. River Research and Applications, 2021, 37, 1294-1302.	1.7	13
8	Potential distributions of invasive vertebrates in the Iberian Peninsula under projected changes in climate extreme events. Diversity and Distributions, 2021, 27, 2262-2276.	4.1	21
9	Rodents Rescue Seeds from Aborted Fruits. Bulletin of the Ecological Society of America, 2021, 102, e01823.	0.2	0
10	Tackling biological invasions in Natura 2000 network in the light of the new EU Biodiversity Strategy for 2030. Management of Biological Invasions, 2021, 12, 776-791.	1.2	6
11	Contingent trade-off decisions with feedbacks in cyclical environments: testing alternative theories. Behavioral Ecology, 2020, 31, 1192-1206.	2.2	15
12	The overlooked benefits of synzoochory: rodents rescue seeds from aborted fruits. Ecosphere, 2020, 11, e03298.	2.2	6
13	Intertwined effects of defaunation, increased tree mortality and density compensation on seed dispersal. Ecography, 2020, 43, 1352-1363.	4.5	16
14	Stable isotopes suggest the location of marine feeding grounds of South European Atlantic salmon in Greenland. ICES Journal of Marine Science, 2020, 77, 593-603.	2.5	10
15	The ODD Protocol for Describing Agent-Based and Other Simulation Models: A Second Update to Improve Clarity, Replication, and Structural Realism. Jasss, 2020, 23, .	1.8	349
16	Mechanistic simulations predict that thermal and hydrological effects of climate change on Mediterranean trout cannot be offset by adaptive behaviour, evolution, and increased food production. Science of the Total Environment, 2019, 693, 133648.	8.0	25
17	Optimal harvest regulations under conflicting tradeoffs between conservation and recreational fishery objectives. Fisheries Research, 2019, 216, 47-58.	1.7	17
18	Climate-driven biophysical changes in feeding and breeding environments explain the decline of southernmost European Atlantic salmon populations. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1581-1595.	1.4	23

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19	Cross-disciplinary links in environmental systems science: Current state and claimed needs identified in a meta-review of process models. Science of the Total Environment, 2018, 622-623, 954-973.	8.0	12
20	Assisting seed dispersers to restore oldfields: An individualâ€based model of the interactions among badgers, foxes and Iberian pear trees. Journal of Applied Ecology, 2018, 55, 600-611.	4.0	31
21	Modelling movements of Saimaa ringed seals using an individual-based approach. Ecological Modelling, 2018, 368, 321-335.	2.5	9
22	Local and global climatic drivers of Atlantic salmon decline in southern Europe. Fisheries Research, 2018, 198, 78-85.	1.7	46
23	Ecoâ€evolutionary responses to recreational fishing under different harvest regulations. Ecology and Evolution, 2018, 8, 9600-9613.	1.9	22
24	Dams cause genetic homogenization in populations of fish that present homing behavior: Evidence from a demogenetic individual-based model. Ecological Modelling, 2018, 384, 209-220.	2.5	16
25	FloMan-MF: Floodplain Management for the Moor Frog â˜ a simulation model for amphibian conservation in dynamic wetlands. Ecological Modelling, 2017, 348, 110-124.	2.5	2
26	Next-Generation Individual-Based Models Integrate Biodiversity and Ecosystems: Yes We Can, and Yes We Must. Ecosystems, 2017, 20, 229-236.	3.4	77
27	Improving Execution Speed of Models Implemented in NetLogo. Jasss, 2017, 20, .	1.8	31
28	Territorial and foraging behaviour of juvenile Mediterranean trout under changing conditions of food and competitors. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 990-998.	1.4	9
29	InSTREAM-Gen: Modelling eco-evolutionary dynamics of trout populations under anthropogenic environmental change. Ecological Modelling, 2016, 326, 36-53.	2.5	53
30	Discriminating between possible foraging decisions using pattern-oriented modelling: The case of pink-footed geese in Mid-Norway during their spring migration. Ecological Modelling, 2016, 320, 299-315.	2.5	12
31	Spatioâ€temporal habitat selection shifts in brown trout populations under contrasting natural flow regimes. Ecohydrology, 2014, 7, 569-579.	2.4	18
32	Intercohort density dependence drives brown trout habitat selection. Acta Oecologica, 2013, 46, 1-9.	1.1	18
33	Thermal Carrying Capacity for a Thermally-Sensitive Species at the Warmest Edge of Its Range. PLoS ONE, 2013, 8, e81354.	2.5	20
34	Unravelling the effects of water temperature and density dependence on the spatial variation of brown trout (Salmo trutta) body size. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 821-832.	1.4	18
35	Modelling carrying capacity dynamics for the conservation and management of territorial salmonids. Fisheries Research, 2012, 134-136, 95-103.	1.7	47
36	A new biological indicator to assess the ecological status of Mediterranean trout type streams. Ecological Indicators, 2012, 20, 295-303.	6.3	21

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37	THE INFLUENCE OF VARIABLE HABITAT SUITABILITY CRITERIA ON <scp>PHABSIM</scp> HABITAT INDEX RESULTS. River Research and Applications, 2012, 28, 1179-1188.	1.7	40
38	Global warming threatens the persistence of Mediterranean brown trout. Global Change Biology, 2012, 18, 1549-1560.	9.5	158
39	Ontogenetic variation in density-dependent growth of brown trout through habitat competition. Freshwater Biology, 2011, 56, 530-540.	2.4	31
40	Modelling brown trout spatial requirements through physical habitat simulations. River Research and Applications, 2010, 26, 1090-1102.	1.7	25
41	Ontogenetic and spatial variations in brown trout habitat selection. Ecology of Freshwater Fish, 2010, 19, 420-432.	1.4	71
42	Interactive effects of cover and hydraulics on brown trout habitat selection patterns. River Research and Applications, 2009, 25, 1051-1065.	1.7	60
43	Determinants of largeâ€scale spatial distribution and seasonal microhabitat selection patterns of the endangered freshwater blenny Salaria fluviatilis in the Ebro River basin, Spain. Aquatic Conservation: Marine and Freshwater Ecosystems, 0, , .	2.0	2
44	Differential vulnerability to biological invasions: not all protected areas (and not all invaders) are the same. Biodiversity and Conservation, 0, , 1.	2.6	0