Arpat Ozgul

List of Publications by Year
in descending order

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111 papers	4,137 citations	147801 31 h-index	144013 57 g-index
124 all docs	124 docs citations	124 times ranked	5090 citing authors

#	Article	IF	Citations
1	Dispersal Decreases Survival but Increases Reproductive Opportunities for Subordinates in a Cooperative Breeder. American Naturalist, 2022, 199, 679-690.	2.1	6
2	Higher temperature extremes exacerbate negative disease effects in a social mammal. Nature Climate Change, 2022, 12, 284-290.	18.8	14
3	A Trade-Off between Robustness to Environmental Fluctuations and Speed of Evolution. American Naturalist, 2022, 200, E16-E35.	2.1	7
4	Lowâ€coverage reduced representation sequencing reveals subtle withinâ€island genetic structure in Aldabra giant tortoises. Ecology and Evolution, 2022, 12, e8739.	1.9	4
5	Cooperation by necessity: condition- and density-dependent reproductive tactics of female house mice. Communications Biology, 2022, 5, 348.	4.4	4
6	Distinct body-size responses to warming climate in three rodent species. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220015.	2.6	2
7	Trophic processes constrain seasonal ungulate distributions at two scales in an East African savanna. Journal of Mammalogy, 2022, 103, 956-969.	1.3	3
8	Greenâ€up selection by red deer in heterogeneous, humanâ€dominated landscapes of Central Europe. Ecology and Evolution, 2022, 12, .	1.9	3
9	Community structure determines the predictability of population collapse. Journal of Animal Ecology, 2022, 91, 1880-1891.	2.8	4
10	Proximity to humans affects local social structure in a giraffe metapopulation. Journal of Animal Ecology, 2021, 90, 212-221.	2.8	34
11	Why disease ecology needs lifeâ€history theory: a host perspective. Ecology Letters, 2021, 24, 876-890.	6.4	37
12	High elevation bird communities in the Swiss Alps exhibit reduced fecundity and lifespan independently of phylogenetic effects. Biodiversity and Conservation, 2021, 30, 991-1010.	2.6	2
13	Sociability increases survival of adult female giraffes. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202770.	2.6	22
14	Effect of habitat quality and phenotypic variation on abundanceâ€and traitâ€based early warning signals of population collapses. Oikos, 2021, 130, 850-862.	2.7	6
15	Ecological determinants of livestock depredation by the snow leopard Panthera uncia in Bhutan. Journal of Zoology, 2021, 314, 275-284.	1.7	3
16	Socially Defined Subpopulations Reveal Demographic Variation in a Giraffe Metapopulation. Journal of Wildlife Management, 2021, 85, 920-931.	1.8	10
17	The myriad of complex demographic responses of terrestrial mammals to climate change and gaps of knowledge: A global analysis. Journal of Animal Ecology, 2021, 90, 1398-1407.	2.8	30
18	Bound within boundaries: Do protected areas cover movement corridors of their most mobile, protected species?. Journal of Applied Ecology, 2021, 58, 1133-1144.	4.0	11

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19	Forest management affects seasonal source-sink dynamics in a territorial, group-living bird. Oecologia, 2021, 196, 399-412.	2.0	2
20	Design of SNP markers for Aldabra giant tortoises using low coverage ddRAD-seq. Conservation Genetics Resources, 2021, 13, 409-412.	0.8	4
21	Lifeâ€history responses of a freshwater rotifer to copper pollution. Ecology and Evolution, 2021, 11, 10947-10955.	1.9	3
22	Behavioural change during dispersal and its relationship to survival and reproduction in a cooperative breeder. Journal of Animal Ecology, 2021, 90, 2637-2650.	2.8	7
23	Eyes, ears, or nose? Comparison of three non-invasive methods to survey wolf recolonisation. Mammalian Biology, 2021, 101, 881-893.	1.5	4
24	Leaving by staying: Social dispersal in giraffes. Journal of Animal Ecology, 2021, 90, 2755-2766.	2.8	11
25	Spatial heterogeneity in temporal dynamics of Alpine bird communities along an elevational gradient. Journal of Biogeography, 2021, 48, 886-902.	3.0	5
26	Bird species coâ€occurrence patterns in an alpine environment supports the stressâ€gradient hypothesis. Oikos, 2021, 130, 1905-1918.	2.7	6
27	Timing outweighs magnitude of rainfall in shaping population dynamics of a small mammal species in steppe grassland. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
28	Modeling Distribution and Habitat Suitability for the Snow Leopard in Bhutan. Frontiers in Conservation Science, 2021, 2, .	1.9	5
29	Ecoâ€evolutionary processes underlying early warning signals of population declines. Journal of Animal Ecology, 2020, 89, 436-448.	2.8	14
30	When to stay and when to leave? Proximate causes of dispersal in an endangered social carnivore. Journal of Animal Ecology, 2020, 89, 2356-2366.	2.8	20
31	Seek and learn: Automated identification of microevents in animal behaviour using envelopes of acceleration data and machine learning. Methods in Ecology and Evolution, 2020, 11, 1639-1651.	5.2	11
32	Temporal homogenization of functional and beta diversity in bird communities of the Swiss Alps. Diversity and Distributions, 2020, 26, 900-911.	4.1	39
33	Effect of time series length and resolution on abundanceâ€and traitâ€based early warning signals of population declines. Ecology, 2020, 101, e03040.	3.2	19
34	Contrasting effects of climate change on seasonal survival of a hibernating mammal. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18119-18126.	7.1	49
35	The effect of temporal environmental autocorrelation on ecoâ€evolutionary dynamics across life histories. Ecosphere, 2020, 11, e03029.	2.2	9
36	African Wild Dog Dispersal and Implications for Management. Journal of Wildlife Management, 2020, 84, 614-621.	1.8	31

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37	Assessing seasonal demographic covariation to understand environmentalâ€change impacts on a hibernating mammal. Ecology Letters, 2020, 23, 588-597.	6.4	15
38	Group size and social status affect scent marking in dispersing female meerkats. Behavioral Ecology, 2019, 30, 1602-1610.	2.2	6
39	Adaptive responses of animals to climate change are most likely insufficient. Nature Communications, 2019, 10, 3109.	12.8	285
40	Fissionâ€“fusion dynamics of a megaherbivore are driven by ecological, anthropogenic, temporal, and social factors. Oecologia, 2019, 191, 335-347.	2.0	36
41	Behavioural compass: animal behaviour recognition using magnetometers. Movement Ecology, 2019, 7, 28.	2.8	22
42	Advances in population ecology and species interactions in mammals. Journal of Mammalogy, 2019, 100, 965-1007.	1.3	25
43	Demographic processes underlying fitness restoration in bdelloid rotifers emerging from dehydration. Freshwater Biology, 2019, 64, 1295-1302.	2.4	5
44	Cost of dispersal in a social mammal: body mass loss and increased stress. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190033.	2.6	28
45	When Do Shifts in Trait Dynamics Precede Population Declines?. American Naturalist, 2019, 193, 633-644.	2.1	24
46	A novel biomechanical approach for animal behaviour recognition using accelerometers. Methods in Ecology and Evolution, 2019, 10, 802-814.	5.2	57
47	Life history responses of meerkats to seasonal changes in extreme environments. Science, 2019, 363, 631-635.	12.6	75
48	Patterns of activity and body temperature of Aldabra giant tortoises in relation to environmental temperature. Ecology and Evolution, 2018, 8, 2108-2121.	1.9	19
49	Lion population dynamics: do nomadic males matter?. Behavioral Ecology, 2018, 29, 660-666.	2.2	9
50	The interacting effects of forestry and climate change on the demography of a group-living bird population. Oecologia, 2018, 186, 907-918.	2.0	13
51	Reply to â€˜Whaling catch data are not reliable for analyses of body size shiftsâ€™. Nature Ecology and Evolution, 2018, 2, 757-758.	7.8	0
52	Indicators of transitions in biological systems. Ecology Letters, 2018, 21, 905-919.	6.4	90
53	Socially informed dispersal in a territorial cooperative breeder. Journal of Animal Ecology, 2018, 87, 838-849.	2.8	33
54	Interactive lifeâ€history traits predict sensitivity of plants and animals to temporal autocorrelation. Ecology Letters, 2018, 21, 275-286.	6.4	71

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55	Densityâ€dependent dispersal strategies in a cooperative breeder. Ecology, 2018, 99, 1932-1941.	3.2	46
56	Density feedbacks mediate effects of environmental change on population dynamics of a semidesert rodent. Journal of Animal Ecology, 2018, 87, 1534-1546.	2.8	14
57	Matrix Models of Hierarchical Demography: Linking Group- and Population-Level Dynamics in Cooperative Breeders. American Naturalist, 2018, 192, 188-203.	2.1	11
58	Combining human acceptance and habitat suitability in a unified socioâ€ecological suitability model: a case study of the wolf in Switzerland. Journal of Applied Ecology, 2017, 54, 1919-1929.	4.0	71
59	Body size shifts and early warning signals precede the historic collapse of whale stocks. Nature Ecology and Evolution, 2017, 1, 188.	7.8	56
60	Fathers matter: male body mass affects life-history traits in a size-dimorphic seabird. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170397.	2.6	12
61	The effect of aquatic and terrestrial habitat characteristics on occurrence and breeding probability in a montane amphibian: insights from a spatially explicit multistate occupancy model. Population Ecology, 2017, 59, 71-78.	1.2	6
62	Traitâ€“demography relationships underlying small mammal population fluctuations. Journal of Animal Ecology, 2017, 86, 348-358.	2.8	13
63	Life-history responses to environmental change revealed by resurrected rotifers from a historically polluted lake. Hydrobiologia, 2017, 796, 121-130.	2.0	11
64	Estimation of Individual Growth Trajectories When Repeated Measures Are Missing. American Naturalist, 2017, 190, 377-388.	2.1	11
65	Modeling Adaptive and Nonadaptive Responses of Populations to Environmental Change. American Naturalist, 2017, 190, 313-336.	2.1	76
66	Disentangling evolutionary, plastic and demographic processes underlying trait dynamics: a review of four frameworks. Methods in Ecology and Evolution, 2017, 8, 75-85.	5.2	26
67	Are generic early-warning signals reliable indicators of population collapse in rotifers?. Hydrobiologia, 2017, 796, 111-120.	2.0	13
68	Demographic cost and mechanisms of adaptation to environmental stress in resurrected Daphnia. Journal of Limnology, 2016, 75, .	1.1	4
69	Rotifers in Lake Orta: a potential ecological and evolutionary model system. Journal of Limnology, 2016, 75, .	1.1	3
70	Anthropogenic food resources foster the coexistence of distinct life history strategies: yearâ€round sedentary and migratory brown bears. Journal of Zoology, 2016, 300, 142-150.	1.7	69
71	Impact of changing wind conditions on foraging and incubation success in male and female wandering albatrosses. Journal of Animal Ecology, 2016, 85, 1318-1327.	2.8	24
72	Differential plasticity of size and mass to environmental change in a hibernating mammal. Global Change Biology, 2016, 22, 3286-3303.	9.5	20

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73	Including trait-based early warning signals helps predict population collapse. Nature Communications, 2016, 7, 10984.	12.8	93
74	How well can body size represent effects of the environment on demographic rates? Disentangling correlated explanatory variables. Journal of Animal Ecology, 2016, 85, 318-328.	2.8	8
75	Rate of forcing and the forecastability of critical transitions. Ecology and Evolution, 2016, 6, 7787-7793.	1.9	25
76	Quantifying population declines based on presenceâ€only records for redâ€list assessments. Conservation Biology, 2016, 30, 1112-1121.	4.7	30
77	Interactive effects of exogenous and endogenous factors on demographic rates of an African rodent. Oikos, 2016, 125, 1838-1848.	2.7	6
78	Direct negative densityâ€dependence in a pondâ€breeding frog population. Ecography, 2016, 39, 449-455.	4.5	23
79	Persistence of distinctive morphotypes in the native range of the <scp>CITES</scp>â€listed Aldabra giant tortoise. Ecology and Evolution, 2015, 5, 5499-5508.	1.9	14
80	Effects of Trophy Hunting Leftovers on the Ranging Behaviour of Large Carnivores: A Case Study on Spotted Hyenas. PLoS ONE, 2015, 10, e0121471.	2.5	12
81	The ecological forecast horizon, and examples of its uses and determinants. Ecology Letters, 2015, 18, 597-611.	6.4	242
82	Factors Influencing the Detectability of Early Warning Signals of Population Collapse. American Naturalist, 2015, 186, 50-58.	2.1	52
83	Maternal, social and abiotic environmental effects on growth vary across life stages in a cooperative mammal. Journal of Animal Ecology, 2014, 83, 332-342.	2.8	27
84	Linking body mass and group dynamics in an obligate cooperative breeder. Journal of Animal Ecology, 2014, 83, 1357-1366.	2.8	37
85	How Life History Influences Population Dynamics in Fluctuating Environments. American Naturalist, 2013, 182, 743-759.	2.1	152
86	Distance to a Road is Associated with Reproductive Success and Physiological Stress Response in a Migratory Landbird. Wilson Journal of Ornithology, 2013, 125, 50-61.	0.2	13
87	Estimating the effect of temporally autocorrelated environments on the demography of densityâ€independent ageâ€structured populations. Methods in Ecology and Evolution, 2013, 4, 573-584.	5.2	24
88	Social structure mediates environmental effects on group size in an obligate cooperative breeder, Suricata suricatta. Ecology, 2013, 94, 587-597.	3.2	41
89	Population Responses to Perturbations: The Importance of Trait-Based Analysis Illustrated through a Microcosm Experiment. American Naturalist, 2012, 179, 582-594.	2.1	37
90	Density dependence in group dynamics of a highly social mongoose, Suricata suricatta. Journal of Animal Ecology, 2012, 81, 628-639.	2.8	43

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91	Synergistic influences of phase, density, and climatic variation on the dynamics of fluctuating populations. Ecology, 2011, 92, 1680-1690.	3.2	31
92	Proximate causes of natal dispersal in female yellow-bellied marmots, Marmota flaviventris. Ecology, 2011, 92, 218-227.	3.2	38
93	Social behavior drives the dynamics of respiratory disease in threatened tortoises. Ecology, 2010, 91, 1257-1262.	3.2	44
94	Matrix models for a changeable world: the importance of transient dynamics in population management. Journal of Applied Ecology, 2010, 47, 515-523.	4.0	132
95	Coupled dynamics of body mass and population growth in response to environmental change. Nature, 2010, 466, 482-485.	27.8	518
96	Lost in space? Searching for directions in the spatial modelling of individuals, populations and species ranges. Biology Letters, 2010, 6, 575-578.	2.3	11
97	The Dynamics of Phenotypic Change and the Shrinking Sheep of St. Kilda. Science, 2009, 325, 464-467.	12.6	271
98	Upper respiratory tract disease, force of infection, and effects on survival of gopher tortoises. Ecological Applications, 2009, 19, 786-798.	3.8	27
99	Influence of Local Demography on Asymptotic and Transient Dynamics of a Yellowâ€Bellied Marmot Metapopulation. American Naturalist, 2009, 173, 517-530.	2.1	47
100	Spatiotemporal Variation in Survival of Male Yellow-bellied Marmots. Journal of Mammalogy, 2008, 89, 365-373.	1.3	12
101	Spatiotemporal variation in reproductive parameters of yellow-bellied marmots. Oecologia, 2007, 154, 95-106.	2.0	23
102	SPATIOTEMPORAL VARIATION IN SURVIVAL RATES: IMPLICATIONS FOR POPULATION DYNAMICS OF YELLOW-BELLIED MARMOTS. Ecology, 2006, 87, 1027-1037.	3.2	53
103	THE INFLUENCE OF DISTURBANCE EVENTS ON SURVIVAL AND DISPERSAL RATES OF FLORIDA BOX TURTLES. , 2006, 16, 1936-1944.		37
104	Effect of predation risk on the presence and persistence of yellow-bellied marmot (Marmota) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.7	40
105	Effects of patch quality and network structure on patch occupancy dynamics of a yellow-bellied marmot metapopulation. Journal of Animal Ecology, 2006, 75, 191-202.	2.8	35
106	FACTORS INFLUENCING MOVEMENT DISTANCES OF TWO SPECIES OF SYMPATRIC VOLES. Journal of Mammalogy, 2005, 86, 647-654.	1.3	24
107	Locomotor Ability and Wariness in Yellow-Bellied Marmots. Ethology, 2004, 110, 615-634.	1.1	63
108	Demography of fluctuating populations: temporal and phase-related changes in vital rates of Microtus ochrogaster. Journal of Animal Ecology, 2004, 73, 201-215.	2.8	31

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109	The distribution of cave-dwelling bats and conservation status of underground habitats in Northwestern Turkey. Biological Conservation, 2004, 120, 243-248.	4.1	31
110	Distribution of cave-dwelling bats and conservation status of underground habitats in the Istanbul area. Ecological Research, 2002, 17, 69-77.	1.5	19
111	Habitat suitability models based on opportunistic citizen science data: Evaluating forecasts from alternative methods versus an individualâ€based model. Diversity and Distributions, 0, , .	4.1	7