List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3553910/publications.pdf Version: 2024-02-01



LUDER REDEC

#	Article	IF	CITATIONS
1	Multiple Allee effects and population management. Trends in Ecology and Evolution, 2007, 22, 185-191.	8.7	497
2	Single-species Models of the Allee Effect: Extinction Boundaries, Sex Ratios and Mate Encounters. Journal of Theoretical Biology, 2002, 218, 375-394.	1.7	322
3	Dangerously few liaisons: a review of mateâ€finding Allee effects. Population Ecology, 2009, 51, 355-372.	1.2	252
4	Exploiting Allee effects for managing biological invasions. Ecology Letters, 2011, 14, 615-624.	6.4	218
5	Optimal surveillance and eradication of invasive species in heterogeneous landscapes. Ecology Letters, 2012, 15, 803-812.	6.4	145
6	Eradication of Invading Insect Populations: From Concepts to Applications. Annual Review of Entomology, 2016, 61, 335-352.	11.8	144
7	Techniques of spatially explicit individual-based models: construction, simulation, and mean-field analysis. Ecological Modelling, 2002, 150, 55-81.	2.5	141
8	How predator functional responses and Allee effects in prey affect the paradox of enrichment and population collapses. Theoretical Population Biology, 2007, 72, 136-147.	1.1	124
9	Double Allee Effects and Extinction in the Island Fox. Conservation Biology, 2007, 21, 1082-1091.	4.7	113
10	Impacts of Foraging Facilitation Among Predators onÂPredator-prey Dynamics. Bulletin of Mathematical Biology, 2010, 72, 94-121.	1.9	108
11	Linking the Allee Effect, Sexual Reproduction, and Temperatureâ€Dependent Sex Determination Via Spatial Dynamics. American Naturalist, 2001, 157, 217-230.	2.1	97
12	Review: Allee effects in social species. Journal of Animal Ecology, 2018, 87, 47-58.	2.8	68
13	Sex determination inBonellia viridis(Echiura: Bonelliidae): population dynamics and evolution. Oikos, 2005, 108, 473-484.	2.7	64
14	Optimization of exergy and implications of body sizes of phytoplankton and zooplankton in an aquatic ecosystem model. Ecological Modelling, 2001, 140, 219-234.	2.5	62
15	Improved calibration of a eutrophication model by use of the size variation due to succession. Ecological Modelling, 2002, 153, 269-277.	2.5	54
16	Modelling mateâ€finding Allee effects and populations dynamics, with applications in pest control. Population Ecology, 2009, 51, 445-458.	1.2	54
17	Does Sex-Selective Predation Stabilize or Destabilize Predator-Prey Dynamics?. PLoS ONE, 2008, 3, e2687.	2.5	48
18	Bioeconomic synergy between tactics for insect eradication in the presence of Allee effects. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2807-2815.	2.6	45

#	Article	IF	CITATIONS
19	Designing efficient surveys: spatial arrangement of sample points for detection of invasive species. Biological Invasions, 2015, 17, 445-459.	2.4	43
20	A model of gillnet catch in relation to the catchable biomass, saturation, soak time and sampling period. Fisheries Research, 2011, 107, 201-209.	1.7	41
21	Population dynamics of Ips typographus in the Bohemian Forest (Czech Republic): Validation of the phenology model PHENIPS and impacts of climate change. Forest Ecology and Management, 2013, 292, 1-9.	3.2	36
22	Implications of mate search, mate choice and divorce rate for population dynamics of sexually reproducing species. Oikos, 2004, 104, 122-132.	2.7	35
23	Landsat Imagery Spectral Trajectories—Important Variables for Spatially Predicting the Risks of Bark Beetle Disturbance. Remote Sensing, 2016, 8, 687.	4.0	35
24	A Mechanistic Model for Partial Preferences. Theoretical Population Biology, 2000, 58, 279-289.	1.1	34
25	Editorial: Allee effects in ecology and evolution. Journal of Animal Ecology, 2018, 87, 7-10.	2.8	31
26	Densityâ€dependent selection on mate search and evolution of Allee effects. Journal of Animal Ecology, 2018, 87, 24-35.	2.8	30
27	Predator interference and stability of predator–prey dynamics. Journal of Mathematical Biology, 2015, 71, 301-323.	1.9	26
28	Caught between two Allee effects: Trade-off between reproduction and predation risk. Journal of Theoretical Biology, 2010, 264, 787-798.	1.7	21
29	A multi-model method to fault detection and diagnosis: Bayesian solution. An introductory treatise. International Journal of Adaptive Control and Signal Processing, 1998, 12, 81-92.	4.1	20
30	Maleâ€killing bacteria as agents of insect pest control. Journal of Applied Ecology, 2016, 53, 1270-1279.	4.0	20
31	Modelling the Population Dynamics of Root Hemiparasitic Plants Along a Productivity Gradient. Folia Geobotanica, 2010, 45, 425-442.	0.9	19
32	Protection provided by vaccination, booster doses and previous infection against covid-19 infection, hospitalisation or death over time in Czechia. PLoS ONE, 2022, 17, e0270801.	2.5	18
33	Adaptive foraging does not always lead to more complex food webs. Journal of Theoretical Biology, 2010, 266, 211-218.	1.7	16
34	Mixed Encounters, Limited Perception and Optimal Foraging. Bulletin of Mathematical Biology, 2000, 62, 849-868.	1.9	15
35	Fatal or Harmless: Extreme Bistability Induced by Sterilizing, Sexually Transmitted Pathogens. Bulletin of Mathematical Biology, 2013, 75, 258-273.	1.9	14
36	Are great tits (Parus major) really optimal foragers?. Canadian Journal of Zoology, 2003, 81, 780-788.	1.0	12

#	Article	IF	CITATIONS
37	Impacts of predation on dynamics of age-structured prey: Allee effects and multi-stability. Theoretical Ecology, 2012, 5, 533-544.	1.0	11
38	Double impact of sterilizing pathogens: added value of increased life expectancy on pest control effectiveness. Journal of Mathematical Biology, 2012, 64, 1281-1311.	1.9	11
39	Evolution of mate-finding Allee effect in prey. Journal of Theoretical Biology, 2018, 441, 9-18.	1.7	11
40	Allee effects under climate change. Oikos, 2019, 128, 972-983.	2.7	11
41	Worthy of Their Name: How Floods Drive Outbreaks of Two Major Floodwater Mosquitoes (Diptera:) Tj ETQq1 1	0.784314 1.8	rg_{10}^{BT} /Overlo
42	Global stability of the coexistence equilibrium for a general class of models of facultative mutualism. Journal of Biological Dynamics, 2017, 11, 339-364.	1.7	10
43	Identification of Reality in Bayesian Context. , 1997, , 181-193.		10
44	Sexually transmitted infections and mate-finding Allee effects. Theoretical Population Biology, 2017, 114, 59-69.	1.1	9
45	Role of trade-off between sexual and vertical routes for evolution of pathogen transmission. Theoretical Ecology, 2015, 8, 23-36.	1.0	8
46	EVALUATION OF SYSTEM PERFORMANCE THROUGH OPTIMIZING ASCENDENCY IN AN AQUATIC ECOSYSTEM MODEL. Journal of Biological Systems, 2001, 09, 269-290.	1.4	7
47	MODELS OF ALLEE EFFECTS AND THEIR IMPLICATIONS FOR POPULATION AND COMMUNITY DYNAMICS. Biophysical Reviews and Letters, 2008, 03, 157-181.	0.8	7
48	Why have parasites promoting mating success been observed so rarely?. Journal of Theoretical Biology, 2014, 342, 47-61.	1.7	7
49	Mate search and mate-finding Allee effect: on modeling mating in sex-structured population models. Theoretical Ecology, 2018, 11, 225-244.	1.0	7
50	Fecundity-Longevity Trade-Off, Vertical Transmission, and Evolution of Virulence in Sterilizing Pathogens. American Naturalist, 2020, 195, 95-106.	2.1	7
51	Are non-sexual models appropriate for predicting the impact of virus-vectored immunocontraception?. Journal of Theoretical Biology, 2008, 250, 281-290.	1.7	6
52	Evolution favours aging in populations with assortative mating and in sexually dimorphic populations. Scientific Reports, 2018, 8, 16072.	3.3	6
53	A two-sex demographic model with single-dependent divorce rate. Journal of Theoretical Biology, 2010, 265, 647-656.	1.7	5
54	Impacts of infection avoidance for populations affected by sexually transmitted infections. Journal of Theoretical Biology, 2018, 455, 64-74.	1.7	5

#	Article	IF	CITATIONS
55	Delays, Masks, the Elderly, and Schools: First Covid-19 Wave in the Czech Republic. Bulletin of Mathematical Biology, 2022, 84, .	1.9	5
56	Evolution of early male-killing in horizontally transmitted parasites. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152068.	2.6	4
57	Host-pathogen dynamics under sterilizing pathogens and fecundity-longevity trade-off in hosts. Journal of Theoretical Biology, 2018, 450, 76-85.	1.7	4
58	Differences in the pattern of evolution in six physically linked genes of Drosophila melanogaster. Gene, 2006, 381, 24-33.	2.2	3
59	Modeling population dynamics of two cockroach species: Effects of the circadian clock, interspecific competition and pest control. Journal of Theoretical Biology, 2007, 249, 473-486.	1.7	3
60	The impact of sexually abstaining groups on persistence of sexually transmitted infections in populations with ephemeral pair bonds. Journal of Theoretical Biology, 2012, 292, 1-10.	1.7	3
61	Neglecting uncertainty behind Allee effect estimation may generate false predictions of population extinction risk. Oikos, 2013, 122, 845-856.	2.7	3
62	Control period selection: Verification on coupled tanks. , 1997, , .		2
63	A toolbox for model-based fault detection and isolation. , 1999, , .		2
64	Allee Effects. , 2019, , 6-13.		2
65	Importance of vaccine action and availability and epidemic severity for delaying the second vaccine dose. Scientific Reports, 2022, 12, 7638.	3.3	2
66	POPULATION DYNAMICS ON COMPLEX FOOD WEBS. , 2010, , .		1
67	MODELS OF ALLEE EFFECTS AND THEIR IMPLICATIONS FOR POPULATION AND COMMUNITY DYNAMICS. , 2008, , .		1
68	A multiâ€model method to fault detection and diagnosis: Bayesian solution. An introductory treatise. International Journal of Adaptive Control and Signal Processing, 1998, 12, 81-92.	4.1	1
69	Response to Beran et al. Journal of Infectious Diseases, 2022, 226, 944-945.	4.0	1
70	ls more better? Higher sterilization of infected hosts need not result in reduced pest population size. Journal of Mathematical Biology, 2015, 70, 1381-1409.	1.9	0
71	Evolution of infection avoidance in populations affected by sexually transmitted infections. Theoretical Ecology, 2021, 14, 233-246.	1.0	0
72	Predation has small, short-term, and in certain conditions random effects on the evolution of aging. Bmc Ecology and Evolution, 2021, 21, 87.	1.6	0

LIDEN	REDEC
LUUEN	DEREC

#	Article	IF	CITATIONS
73	Impacts of Infections and Predation on Dynamics of Sexually Reproducing Populations. , 2020, , 43-70.		Ο
74	Reply to Llibre et al. Journal of Infectious Diseases, 0, , .	4.0	0