

Pauline Ezanno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2411139/publications.pdf>

Version: 2024-02-01

64
papers

1,437
citations

331259

21
h-index

377514

34
g-index

71
all docs

71
docs citations

71
times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic resource allocation for controlling pathogen spread on a large metapopulation network. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210744.	1.5	1
2	Modelling transmission of <i>Mycobacterium avium</i> subspecies paratuberculosis between Irish dairy cattle herds. <i>Veterinary Research</i> , 2022, 53, .	1.1	4
3	Dispersal in heterogeneous environments drives population dynamics and control of tsetse flies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202810.	1.2	1
4	Research perspectives on animal health in the era of artificial intelligence. <i>Veterinary Research</i> , 2021, 52, 40.	1.1	34
5	Accounting for farmers' control decisions in a model of pathogen spread through animal trade. <i>Scientific Reports</i> , 2021, 11, 9581.	1.6	5
6	To Vaccinate or Not: Impact of Bovine Viral Diarrhoea in French Cow-Calf Herds. <i>Vaccines</i> , 2021, 9, 1137.	2.1	2
7	Rewiring cattle trade movements helps to control bovine paratuberculosis at a regional scale. <i>Preventive Veterinary Medicine</i> , 2021, 198, 105529.	0.7	10
8	A service-based framework for building and executing epidemic simulation applications in the cloud. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5554.	1.4	4
9	How mechanistic modelling supports decision making for the control of enzootic infectious diseases. <i>Epidemics</i> , 2020, 32, 100398.	1.5	25
10	It's risky to wander in September: Modelling the epidemic potential of Rift Valley fever in a Sahelian setting. <i>Epidemics</i> , 2020, 33, 100409.	1.5	5
11	Intelligence artificielle et sant� animale. <i>INRA Productions Animales</i> , 2020, 33, 95-108.	0.3	0
12	EMULSION: Transparent and flexible multiscale stochastic models in human, animal and plant epidemiology. <i>PLoS Computational Biology</i> , 2019, 15, e1007342.	1.5	18
13	Modeling the Transmission of <i>Vibrio aestuarianus</i> in Pacific Oysters Using Experimental Infection Data. <i>Frontiers in Veterinary Science</i> , 2019, 6, 142.	0.9	16
14	Neighbourhood contacts and trade movements drive the regional spread of bovine viral diarrhoea virus (BVDV). <i>Veterinary Research</i> , 2019, 50, 30.	1.1	18
15	Demographic stochasticity drives epidemiological patterns in wildlife with implications for diseases and population management. <i>Scientific Reports</i> , 2018, 8, 16846.	1.6	11
16	A modelling framework based on MDP to coordinate farmers' disease control decisions at a regional scale. <i>PLoS ONE</i> , 2018, 13, e0197612.	1.1	5
17	Between-group pathogen transmission: From processes to modeling. <i>Ecological Modelling</i> , 2018, 383, 138-149.	1.2	5
18	Control measures to prevent the increase of paratuberculosis prevalence in dairy cattle herds: an individual-based modelling approach. <i>Veterinary Research</i> , 2018, 49, 60.	1.1	18

#	ARTICLE	IF	CITATIONS
19	A Multi-Level Multi-Agent Simulation Framework in Animal Epidemiology. Lecture Notes in Computer Science, 2017, , 209-221.	1.0	6
20	Controlling bovine paratuberculosis at a regional scale: Towards a decision modelling tool. Journal of Theoretical Biology, 2017, 435, 157-183.	0.8	21
21	DiFFuSE, a Distributed Framework for Cloud-Based Epidemic Simulations: A Case Study in Modelling the Spread of Bovine Viral Diarrhea Virus. , 2017, , .		2
22	Which phenotypic traits of resistance should be improved in cattle to control paratuberculosis dynamics in a dairy herd: a modelling approach. Veterinary Research, 2017, 48, 62.	1.1	2
23	Enhancing Sustainability of Complex Epidemiological Models through a Generic Multilevel Agent-based Approach. , 2017, , .		7
24	Market analyses of livestock trade networks to inform the prevention of joint economic and epidemiological risks. Journal of the Royal Society Interface, 2016, 13, 20151099.	1.5	19
25	Review: Towards the agroecological management of ruminants, pigs and poultry through the development of sustainable breeding programmes: I-selection goals and criteria. Animal, 2016, 10, 1749-1759.	1.3	42
26	Review: Towards the agroecological management of ruminants, pigs and poultry through the development of sustainable breeding programmes. II. Breeding strategies. Animal, 2016, 10, 1760-1769.	1.3	30
27	Spread of Coxiella burnetii between dairy cattle herds in an enzootic region: modelling contributions of airborne transmission and trade. Veterinary Research, 2016, 47, 48.	1.1	27
28	A novel epidemiological model to better understand and predict the observed seasonal spread of Pestivirus in Pyrenean chamois populations. Veterinary Research, 2015, 46, 86.	1.1	7
29	A Stochastic Model to Study Rift Valley Fever Persistence with Different Seasonal Patterns of Vector Abundance: New Insights on the Endemicity in the Tropical Island of Mayotte. PLoS ONE, 2015, 10, e0130838.	1.1	21
30	A generic weather-driven model to predict mosquito population dynamics applied to species of Anopheles, Culex and Aedes genera of southern France. Preventive Veterinary Medicine, 2015, 120, 39-50.	0.7	18
31	Modelling the spread of bovine viral diarrhoea virus (BVDV) in a beef cattle herd and its impact on herd productivity. Veterinary Research, 2015, 46, 12.	1.1	31
32	Evaluation of testing strategies to identify infected animals at a single round of testing within dairy herds known to be infected with Mycobacterium avium ssp. paratuberculosis. Journal of Dairy Science, 2015, 98, 5194-5210.	1.4	18
33	Modelling of paratuberculosis spread between dairy cattle farms at a regional scale. Veterinary Research, 2015, 46, 111.	1.1	36
34	Characteristics of the spatio-temporal network of cattle movements in France over a 5-year period. Preventive Veterinary Medicine, 2014, 117, 79-94.	0.7	56
35	Seasonal and spatial heterogeneities in host and vector abundances impact the spatiotemporal spread of bluetongue. Veterinary Research, 2013, 44, 44.	1.1	21
36	Resilience of a beef cow-calf farming system to variations in demographic parameters1. Journal of Animal Science, 2013, 91, 413-424.	0.2	3

#	ARTICLE	IF	CITATIONS
37	A Rainfall- and Temperature-Driven Abundance Model for <i>Aedes albopictus</i> Populations. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 1698-1719.	1.2	147
38	How Much Can Diptera-Borne Viruses Persist over Unfavourable Seasons?. <i>PLoS ONE</i> , 2013, 8, e74213.	1.1	9
39	Modelling the Dynamics of Host-Parasite Interactions: Basic Principles. , 2012, , 79-101.		4
40	A climate-driven abundance model to assess mosquito control strategies. <i>Ecological Modelling</i> , 2012, 227, 7-17.	1.2	81
41	Seasonal spread and control of Bluetongue in cattle. <i>Journal of Theoretical Biology</i> , 2011, 291, 1-9.	0.8	23
42	Within-herd contact structure and transmission of <i>Mycobacterium avium</i> subspecies paratuberculosis in a persistently infected dairy cattle herd. <i>Preventive Veterinary Medicine</i> , 2011, 100, 116-125.	0.7	55
43	Predicting fadeout versus persistence of paratuberculosis in a dairy cattle herd for management and control purposes: a modelling study. <i>Veterinary Research</i> , 2011, 42, 36.	1.1	35
44	Role of the repartition of wetland breeding sites on the spatial distribution of <i>Anopheles</i> and <i>Culex</i> , human disease vectors in Southern France. <i>Parasites and Vectors</i> , 2011, 4, 65.	1.0	18
45	Within-herd biosecurity and <i>Salmonella</i> seroprevalence in slaughter pigs: A simulation study. <i>Journal of Animal Science</i> , 2011, 89, 2210-2219.	0.2	7
46	Modelling the spread of Bovine Viral Diarrhoea Virus (BVDV) in a managed metapopulation of cattle herds. <i>Veterinary Microbiology</i> , 2010, 142, 119-128.	0.8	31
47	Impact of the Infection Period Distribution on the Epidemic Spread in a Metapopulation Model. <i>PLoS ONE</i> , 2010, 5, e9371.	1.1	43
48	Invited review: Modeling within-herd transmission of <i>Mycobacterium avium</i> subspecies paratuberculosis in dairy cattle: A review. <i>Journal of Dairy Science</i> , 2010, 93, 4455-4470.	1.4	50
49	Association of growth, feeding practices and exercise conditions with the prevalence of Developmental Orthopaedic Disease in limbs of French foals at weaning. <i>Preventive Veterinary Medicine</i> , 2009, 89, 167-177.	0.7	68
50	Using singular perturbations to reduce an epidemiological model: Application to bovine viral diarrhoea virus within-herd spread. <i>Journal of Theoretical Biology</i> , 2009, 258, 426-436.	0.8	3
51	A metapopulation model for the spread and persistence of contagious bovine pleuropneumonia (CBPP) in African sedentary mixed crop-livestock systems. <i>Journal of Theoretical Biology</i> , 2009, 256, 493-503.	0.8	6
52	A fully coupled, mechanistic model for infectious disease dynamics in a metapopulation: Movement and epidemic duration. <i>Journal of Theoretical Biology</i> , 2008, 254, 331-338.	0.8	46
53	Modelling <i>Salmonella</i> spread within a farrow-to-finish pig herd. <i>Veterinary Research</i> , 2008, 39, 49.	1.1	41
54	Influence of herd structure and type of virus introduction on the spread of bovine viral diarrhoea virus (BVDV) on the spread of bovine viral diarrhoea virus (BVDV) within a dairy herd. <i>Veterinary Research</i> , 2008, 39, 39.	1.1	43

#	ARTICLE	IF	CITATIONS
55	Sensitivity analysis to identify key-parameters in modelling the spread of bovine viral diarrhoea virus in a dairy herd. <i>Preventive Veterinary Medicine</i> , 2007, 80, 49-64.	0.7	48
56	Between-herd movements of cattle as a tool for evaluating the risk of introducing infected animals. <i>Animal Research</i> , 2006, 55, 189-208.	0.6	18
57	Dynamics of a tropical cattle herd in a variable environment: A modelling approach in order to identify the target period and animals on which concentrating management efforts to improve productivity. <i>Ecological Modelling</i> , 2005, 188, 470-482.	1.2	14
58	Relationships between N'Dama cow body condition score and production performance under an extensive range management system in Southern Senegal: calf weight gain, milk production, probability of pregnancy, and juvenile mortality. <i>Livestock Science</i> , 2005, 92, 291-306.	1.2	12
59	A modeling study on the sustainability of a certification-and-monitoring program for paratuberculosis in cattle. <i>Veterinary Research</i> , 2005, 36, 811-826.	1.1	10
60	Modelling as a tool for the teaching of livestock dynamics. <i>Animal Research</i> , 2004, 53, 439-450.	0.6	2
61	Sensitivity analysis in periodic matrix models: A postscript to Caswell and Trevisan. <i>Mathematical and Computer Modelling</i> , 2003, 37, 945-948.	2.0	19
62	Factors affecting the body condition score of N'Dama cows under extensive range management in Southern Senegal. <i>Animal Research</i> , 2003, 52, 37-48.	0.6	30
63	Paramètres démographiques des bovins N'Dama en milieu pastoral extensif dans le sud du Sénégal. <i>Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux</i> , 2002, 55, 211.	0.2	6
64	Seasonal and landscape differences in the foraging behaviour of the Rufous Treecreeper <i>Climacteris rufa</i> . <i>Pacific Conservation Biology</i> , 2001, 7, 9.	0.5	12