Pauline Ezanno

List of Publications by Year in descending order

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DALILINE EZANNO

#	Article	IF	CITATIONS
1	Dynamic resource allocation for controlling pathogen spread on a large metapopulation network. Journal of the Royal Society Interface, 2022, 19, 20210744.	3.4	1
2	Modelling transmission of Mycobacterium avium subspecies paratuberculosis between Irish dairy cattle herds. Veterinary Research, 2022, 53, .	3.0	4
3	Dispersal in heterogeneous environments drives population dynamics and control of tsetse flies. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202810.	2.6	1
4	Research perspectives on animal health in the era of artificial intelligence. Veterinary Research, 2021, 52, 40.	3.0	34
5	Accounting for farmers' control decisions in a model of pathogen spread through animal trade. Scientific Reports, 2021, 11, 9581.	3.3	5
6	To Vaccinate or Not: Impact of Bovine Viral Diarrhoea in French Cow-Calf Herds. Vaccines, 2021, 9, 1137.	4.4	2
7	Rewiring cattle trade movements helps to control bovine paratuberculosis at a regional scale. Preventive Veterinary Medicine, 2021, 198, 105529.	1.9	10
8	A serviceâ€based framework for building and executing epidemic simulation applications in the cloud. Concurrency Computation Practice and Experience, 2020, 32, e5554.	2.2	4
9	How mechanistic modelling supports decision making for the control of enzootic infectious diseases. Epidemics, 2020, 32, 100398.	3.0	25
10	lt's risky to wander in September: Modelling the epidemic potential of Rift Valley fever in a Sahelian setting. Epidemics, 2020, 33, 100409.	3.0	5
11	Intelligence artificielle et sant $ ilde{A}$ © animale. INRA Productions Animales, 2020, 33, 95-108.	0.5	0
12	EMULSION: Transparent and flexible multiscale stochastic models in human, animal and plant epidemiology. PLoS Computational Biology, 2019, 15, e1007342.	3.2	18
13	Modeling the Transmission of Vibrio aestuarianus in Pacific Oysters Using Experimental Infection Data. Frontiers in Veterinary Science, 2019, 6, 142.	2.2	16
14	Neighbourhood contacts and trade movements drive the regional spread of bovine viral diarrhoea virus (BVDV). Veterinary Research, 2019, 50, 30.	3.0	18
15	Demographic stochasticity drives epidemiological patterns in wildlife with implications for diseases and population management. Scientific Reports, 2018, 8, 16846.	3.3	11
16	A modelling framework based on MDP to coordinate farmers' disease control decisions at a regional scale. PLoS ONE, 2018, 13, e0197612.	2.5	5
17	Between-group pathogen transmission: From processes to modeling. Ecological Modelling, 2018, 383, 138-149.	2.5	5
18	Control measures to prevent the increase of paratuberculosis prevalence in dairy cattle herds: an individual-based modelling approach. Veterinary Research, 2018, 49, 60.	3.0	18

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19	A Multi-Level Multi-Agent Simulation Framework in Animal Epidemiology. Lecture Notes in Computer Science, 2017, , 209-221.	1.3	6
20	Controlling bovine paratuberculosis at a regional scale: Towards a decision modelling tool. Journal of Theoretical Biology, 2017, 435, 157-183.	1.7	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.	3.0	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.	3.4	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.	3.3	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.	3.3	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.	3.0	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.	3.0	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.	2.5	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.	1.9	18
31	Modelling the spread of bovine viral diarrhea virus (BVDV) in a beef cattle herd and its impact on herd productivity. Veterinary Research, 2015, 46, 12.	3.0	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.	3.4	18
33	Modelling of paratuberculosis spread between dairy cattle farms at a regional scale. Veterinary Research, 2015, 46, 111.	3.0	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.	1.9	56
35	Seasonal and spatial heterogeneities in host and vector abundances impact the spatiotemporal spread of bluetongue. Veterinary Research, 2013, 44, 44.	3.0	21
36	Resilience of a beef cow-calf farming system to variations in demographic parameters1. Journal of Animal Science, 2013, 91, 413-424.	0.5	3

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37	A Rainfall- and Temperature-Driven Abundance Model for Aedes albopictus Populations. International Journal of Environmental Research and Public Health, 2013, 10, 1698-1719.	2.6	147
38	How Much Can Diptera-Borne Viruses Persist over Unfavourable Seasons?. PLoS ONE, 2013, 8, e74213.	2.5	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. Ecological Modelling, 2012, 227, 7-17.	2.5	81
41	Seasonal spread and control of Bluetongue in cattle. Journal of Theoretical Biology, 2011, 291, 1-9.	1.7	23
42	Within-herd contact structure and transmission of Mycobacterium avium subspecies paratuberculosis in a persistently infected dairy cattle herd. Preventive Veterinary Medicine, 2011, 100, 116-125.	1.9	55
43	Predicting fadeout versus persistence of paratuberculosis in a dairy cattle herd for management and control purposes: a modelling study. Veterinary Research, 2011, 42, 36.	3.0	35
44	Role of the repartition of wetland breeding sites on the spatial distribution of Anopheles and Culex, human disease vectors in Southern France. Parasites and Vectors, 2011, 4, 65.	2.5	18
45	Within-herd biosecurity and Salmonella seroprevalence in slaughter pigs: A simulation study. Journal of Animal Science, 2011, 89, 2210-2219.	0.5	7
46	Modelling the spread of Bovine Viral Diarrhoea Virus (BVDV) in a managed metapopulation of cattle herds. Veterinary Microbiology, 2010, 142, 119-128.	1.9	31
47	Impact of the Infection Period Distribution on the Epidemic Spread in a Metapopulation Model. PLoS ONE, 2010, 5, e9371.	2.5	43
48	Invited review: Modeling within-herd transmission of Mycobacterium avium subspecies paratuberculosis in dairy cattle: A review. Journal of Dairy Science, 2010, 93, 4455-4470.	3.4	50
49	Association of growth, feeding practices and exercise conditions with the prevalence of Developmental Orthopaedic Disease in limbs of French foals at weaning. Preventive Veterinary Medicine, 2009, 89, 167-177.	1.9	68
50	Using singular perturbations to reduce an epidemiological model: Application to bovine viral diarrhoea virus within-herd spread. Journal of Theoretical Biology, 2009, 258, 426-436.	1.7	3
51	A metapopulation model for the spread and persistence of contagious bovine pleuropneumonia (CBPP) in African sedentary mixed crop–livestock systems. Journal of Theoretical Biology, 2009, 256, 493-503.	1.7	6
52	A fully coupled, mechanistic model for infectious disease dynamics in a metapopulation: Movement and epidemic duration. Journal of Theoretical Biology, 2008, 254, 331-338.	1.7	46
53	Modelling <i>Salmonella</i> spread within a farrow-to-finish pig herd. Veterinary Research, 2008, 39, 49.	3.0	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. Veterinary Research, 2008, 39, 39.	3.0	43

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55	Sensitivity analysis to identify key-parameters in modelling the spread of bovine viral diarrhoea virus in a dairy herd. Preventive Veterinary Medicine, 2007, 80, 49-64.	1.9	48
56	Between-herd movements of cattle as a tool for evaluating the risk of introducing infected animals. Animal Research, 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. Ecological Modelling, 2005, 188, 470-482.	2.5	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. Livestock Science, 2005, 92, 291-306.	1.2	12
59	A modeling study on the sustainability of a certification-and-monitoring program for paratuberculosis in cattle. Veterinary Research, 2005, 36, 811-826.	3.0	10
60	Modelling as a tool for the teaching of livestock dynamics. Animal Research, 2004, 53, 439-450.	0.6	2
61	Sensitivity analysis in periodic matrix models: A postscript to Caswell and Trevisan. Mathematical and Computer Modelling, 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. Animal Research, 2003, 52, 37-48.	0.6	30
63	Paramètres démographiques des bovins N'Dama en milieu pastoral extensif dans le sud du Sénégal. Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux, 2002, 55, 211.	0.5	6
64	Seasonal and landscape differencesin the foraging behaviour of the Rufous Treecreeper Climacteris rufa. Pacific Conservation Biology, 2001, 7, 9.	1.0	12