

Mathieu Andraud

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,416
citations

361045

20
h-index

360668

35
g-index

58
all docs

58
docs citations

58
times ranked

1705
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the role of mortality-based response triggers on the effectiveness of African swine fever control strategies. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	1.3	3
2	Phylogenetic analysis of the highly pathogenic avian influenza H5N8 epidemic in France, 2016–2017. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	1.3	6
3	Modelling African swine fever virus spread in pigs using time-respective network data: Scientific support for decision makers. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	1.3	5
4	Complex network analysis to understand trading partnership in French swine production. <i>PLoS ONE</i> , 2022, 17, e0266457.	1.1	3
5	Mechanical transmission of African swine fever virus by <i>Stomoxys calcitrans</i> : Insights from a mechanistic model. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1541-1549.	1.3	13
6	Organization as a Multi-level Design Pattern for Agent-based Simulation of Complex Systems. , 2021, , .		3
7	Spatiotemporal clustering and Random Forest models to identify risk factors of African swine fever outbreak in Romania in 2018–2019. <i>Scientific Reports</i> , 2021, 11, 2098.	1.6	26
8	Phenotypic and Genetic Evolutions of a Porcine Reproductive and Respiratory Syndrome Modified Live Vaccine after Limited Passages in Pigs. <i>Vaccines</i> , 2021, 9, 392.	2.1	4
9	Mechanistic modelling of African swine fever: A systematic review. <i>Preventive Veterinary Medicine</i> , 2021, 191, 105358.	0.7	31
10	Inferring within-flock transmission dynamics of highly pathogenic avian influenza H5N8 virus in France, 2020. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 3151-3155.	1.3	13
11	Tackling hepatitis E virus spread and persistence on farrow-to-finish pig farms: Insights from a stochastic individual-based multi-pathogen model. <i>Epidemics</i> , 2020, 30, 100369.	1.5	11
12	Controlling hepatitis E virus in the pig production sector: Assessment of the technical and behavioural feasibility of on-farm risk mitigation strategies. <i>Preventive Veterinary Medicine</i> , 2020, 175, 104866.	0.7	5
13	A between-herd data-driven stochastic model to explore the spatio-temporal spread of hepatitis E virus in the French pig production network. <i>PLoS ONE</i> , 2020, 15, e0230257.	1.1	7
14	How mechanistic modelling supports decision making for the control of enzootic infectious diseases. <i>Epidemics</i> , 2020, 32, 100398.	1.5	25
15	Modelling infectious viral diseases in swine populations: a state of the art. <i>Porcine Health Management</i> , 2020, 6, 22.	0.9	14
16	PCV2 co-infection does not impact PRRSV MLV1 safety but enhances virulence of a PRRSV MLV1-like strain in infected SPF pigs. <i>Veterinary Microbiology</i> , 2020, 244, 108656.	0.8	13
17	Dynamics of livestock-associated methicillin resistant <i>Staphylococcus aureus</i> in pig movement networks: Insight from mathematical modeling and French data. <i>Epidemics</i> , 2020, 31, 100389.	1.5	10
18	Transmission Kinetics and histopathology induced by European Turkey Coronavirus during experimental infection of specific pathogen free turkeys. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 234-242.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Threat to the French Swine Industry of African Swine Fever: Surveillance, Spread, and Control Perspectives. <i>Frontiers in Veterinary Science</i> , 2019, 6, 248.	0.9	30
20	Maternally-derived neutralizing antibodies reduce vaccine efficacy against porcine reproductive and respiratory syndrome virus infection. <i>Vaccine</i> , 2019, 37, 4318-4324.	1.7	20
21	Natural viral co-infections in pig herds affect hepatitis E virus (HEV) infection dynamics and increase the risk of contaminated livers at slaughter. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1930-1945.	1.3	17
22	Impact of porcine circovirus type 2 (PCV2) infection on hepatitis E virus (HEV) infection and transmission under experimental conditions. <i>Veterinary Microbiology</i> , 2019, 234, 1-7.	0.8	11
23	A Field Recombinant Strain Derived from Two Type 1 Porcine Reproductive and Respiratory Syndrome Virus (PRRSV-1) Modified Live Vaccines Shows Increased Viremia and Transmission in SPF Pigs. <i>Viruses</i> , 2019, 11, 296.	1.5	43
24	Impact of colistin administered before or after inoculation on the transmission of a mcr-1 colistin-resistant <i>Escherichia coli</i> strain between pigs. <i>Veterinary Microbiology</i> , 2019, 230, 164-170.	0.8	9
25	Persistent viremia and presence of hepatitis E virus RNA in pig muscle meat after experimental co-infection with porcine reproductive and respiratory syndrome virus. <i>International Journal of Food Microbiology</i> , 2019, 292, 144-149.	2.1	17
26	Combining network analysis with epidemiological data to inform risk-based surveillance: Application to hepatitis E virus (HEV) in pigs. <i>Preventive Veterinary Medicine</i> , 2018, 149, 125-131.	0.7	13
27	Maternally-derived antibodies do not inhibit swine influenza virus replication in piglets but decrease excreted virus infectivity and impair post-infectious immune responses. <i>Veterinary Microbiology</i> , 2018, 216, 142-152.	0.8	20
28	Better horizontal transmission of a US non-InDel strain compared with a French InDel strain of porcine epidemic diarrhoea virus. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 1720-1732.	1.3	20
29	Estimating Parameters Related to the Lifespan of Passively Transferred and Vaccine-Induced Porcine Reproductive and Respiratory Syndrome Virus Type I Antibodies by Modeling Field Data. <i>Frontiers in Veterinary Science</i> , 2018, 5, 9.	0.9	7
30	Are French pig farmers and veterinarians knowledgeable about emerging foodborne pathogens? The case of hepatitis E virus. <i>Preventive Veterinary Medicine</i> , 2018, 156, 1-7.	0.7	5
31	From the epidemiology of hepatitis E virus (HEV) within the swine reservoir to public health risk mitigation strategies: a comprehensive review. <i>Veterinary Research</i> , 2017, 48, 31.	1.1	115
32	The use of vaccines to control pathogen spread in pig populations. <i>Porcine Health Management</i> , 2017, 3, 8.	0.9	15
33	Control of endemic swine flu persistence in farrow-to-finish pig farms: a stochastic metapopulation modeling assessment. <i>Veterinary Research</i> , 2017, 48, 58.	1.1	17
34	Pig movements in France: Designing network models fitting the transmission route of pathogens. <i>PLoS ONE</i> , 2017, 12, e0185858.	1.1	33
35	Apport de la modélisation à l'étude de la dynamique de transmission de virus dans des populations: application aux virus influenza de type A en élevage porcin. <i>Virologie</i> , 2017, 21, 173-187.	0.1	1
36	Maternally-derived antibodies do not prevent transmission of swine influenza A virus between pigs. <i>Veterinary Research</i> , 2016, 47, 86.	1.1	39

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37	A commercial PCV2a-based vaccine significantly reduces PCV2b transmission in experimental conditions. <i>Vaccine</i> , 2016, 34, 3738-3745.	1.7	27
38	Maternally Derived Immunity Extends Swine Influenza A Virus Persistence within Farrow-to-Finish Pig Farms: Insights from a Stochastic Event-Driven Metapopulation Model. <i>PLoS ONE</i> , 2016, 11, e0163672.	1.1	22
39	Hepatitis E virus chronic infection of swine co-infected with Porcine Reproductive and Respiratory Syndrome Virus. <i>Veterinary Research</i> , 2015, 46, 55.	1.1	42
40	Porcine reproductive and respiratory syndrome virus (PRRSv) modified-live vaccine reduces virus transmission in experimental conditions. <i>Vaccine</i> , 2015, 33, 2493-2499.	1.7	53
41	Early-Life Hepatitis E Infection in Pigs: The Importance of Maternally-Derived Antibodies. <i>PLoS ONE</i> , 2014, 9, e105527.	1.1	28
42	Dynamics of influenza A virus infections in permanently infected pig farms: evidence of recurrent infections, circulation of several swine influenza viruses and reassortment events. <i>Veterinary Research</i> , 2013, 44, 72.	1.1	58
43	A simple periodic-forced model for dengue fitted to incidence data in Singapore. <i>Mathematical Biosciences</i> , 2013, 244, 22-28.	0.9	40
44	Direct contact and environmental contaminations are responsible for HEV transmission in pigs. <i>Veterinary Research</i> , 2013, 44, 102.	1.1	62
45	Living on Three Time Scales: The Dynamics of Plasma Cell and Antibody Populations Illustrated for Hepatitis A Virus. <i>PLoS Computational Biology</i> , 2012, 8, e1002418.	1.5	66
46	Fitness of Macrolide Resistant <i>Campylobacter coli</i> and <i>Campylobacter jejuni</i> . <i>Microbial Drug Resistance</i> , 2012, 18, 101-108.	0.9	26
47	Dynamic Epidemiological Models for Dengue Transmission: A Systematic Review of Structural Approaches. <i>PLoS ONE</i> , 2012, 7, e49085.	1.1	241
48	Estimation of transmission parameters of a fluoroquinolone-resistant <i>Escherichia coli</i> strain between pigs in experimental conditions. <i>Veterinary Research</i> , 2011, 42, 44.	1.1	16
49	Pharmacodynamic Modeling of <i>In Vitro</i> Activity of Marbofloxacin against <i>Escherichia coli</i> Strains. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 756-761.	1.4	24
50	Influence of husbandry and control measures on porcine circovirus type 2 (PCV-2) dynamics within a farrow-to-finish pig farm: A modelling approach. <i>Preventive Veterinary Medicine</i> , 2009, 92, 38-51.	0.7	19
51	Modelling the time-dependent transmission rate for porcine circovirus type 2 (PCV2) in pigs using data from serial transmission experiments. <i>Journal of the Royal Society Interface</i> , 2009, 6, 39-50.	1.5	21
52	Quantification of porcine circovirus type 2 (PCV-2) within- and between-pen transmission in pigs. <i>Veterinary Research</i> , 2008, 39, 43.	1.1	30