

# Frank Pasmans

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8693945/publications.pdf>

Version: 2024-02-01

116  
papers

5,206  
citations

126708

33  
h-index

98622

67  
g-index

117  
all docs

117  
docs citations

117  
times ranked

4942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of heavy metal exposure on biological control of a deadly amphibian pathogen by zooplankton. <i>Science of the Total Environment</i> , 2022, 823, 153800.	3.9	1
2	Tree Species Diversity and Forest Edge Density Jointly Shape the Gut Microbiota Composition in Juvenile Great Tits ( <i>Parus major</i> ). <i>Frontiers in Microbiology</i> , 2022, 13, 790189.	1.5	5
3	Tourism may threaten wildlife disease refugia. <i>Conservation Letters</i> , 2022, 15, .	2.8	4
4	Phylotranscriptomic evidence for pervasive ancient hybridization among Old World salamanders. <i>Molecular Phylogenetics and Evolution</i> , 2021, 155, 106967.	1.2	22
5	Microclimate limits thermal behaviour favourable to disease control in a nocturnal amphibian. <i>Ecology Letters</i> , 2021, 24, 27-37.	3.0	11
6	Application of Disinfectants for Environmental Control of a Lethal Amphibian Pathogen. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 406.	1.5	1
7	Landscape epidemiology of <i>Batrachochytrium salamandrivorans</i> : reconciling data limitations and conservation urgency. <i>Ecological Applications</i> , 2021, 31, e02342.	1.8	8
8	Does Chytridiomycosis Affect Tree Frog Attachment?. <i>Diversity</i> , 2021, 13, 262.	0.7	0
9	Salamander loss alters litter decomposition dynamics. <i>Science of the Total Environment</i> , 2021, 776, 145994.	3.9	6
10	<i>Batrachochytrium salamandrivorans</i> Threat to the Iberian Urodele Hotspot. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 406.	1.5	5
11	Virulence and Pathogenicity of Chytrid Fungi Causing Amphibian Extinctions. <i>Annual Review of Microbiology</i> , 2021, 75, 673-693.	2.9	22
12	Ratio-dependent functional response of two common Cladocera present in farmland ponds to <i>Batrachochytrium dendrobatidis</i> . <i>Fungal Ecology</i> , 2021, 53, 101089.	0.7	5
13	Diet diversity and environment determine the intestinal microbiome and bacterial pathogen load of fire salamanders. <i>Scientific Reports</i> , 2021, 11, 20493.	1.6	7
14	Epidermal galactose spurs chytrid virulence and predicts amphibian colonization. <i>Nature Communications</i> , 2021, 12, 5788.	5.8	10
15	Diversity, multifaceted evolution, and facultative saprotrophism in the European <i>Batrachochytrium salamandrivorans</i> epidemic. <i>Nature Communications</i> , 2021, 12, 6688.	5.8	11
16	Landscape Connectivity Limits the Predicted Impact of Fungal Pathogen Invasion. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 205.	1.5	6
17	Towards a food web based control strategy to mitigate an amphibian panzootic in agricultural landscapes. <i>Global Ecology and Conservation</i> , 2020, 24, e01314.	1.0	6
18	Presence of low virulence chytrid fungi could protect European amphibians from more deadly strains. <i>Nature Communications</i> , 2020, 11, 5393.	5.8	22

#	ARTICLE	IF	CITATIONS
19	Dampened virulence and limited proliferation of <i>Batrachochytrium salamandrivorans</i> during subclinical infection of the troglobiont olm ( <i>Proteus anguinus</i> ). <i>Scientific Reports</i> , 2020, 10, 16480.	1.6	4
20	An Alphaherpesvirus Exploits Antimicrobial $\beta$ -Defensins To Initiate Respiratory Tract Infection. <i>Journal of Virology</i> , 2020, 94, .	1.5	11
21	Research Note: Lyophilization of hyperimmune egg yolk: effect on antibody titer and protection of broilers against <i>Campylobacter</i> colonization. <i>Poultry Science</i> , 2020, 99, 2157-2161.	1.5	3
22	Response to Comment on "Amphibian fungal panzootic causes catastrophic and ongoing loss of biodiversity". <i>Science</i> , 2020, 367, .	6.0	15
23	A New Family of Diverse Skin Peptides from the Microhylid Frog Genus <i>Phrynomantis</i> . <i>Molecules</i> , 2020, 25, 912.	1.7	4
24	Integral chain management of wildlife diseases. <i>Conservation Letters</i> , 2020, 13, e12707.	2.8	53
25	Using environmental DNA for detection of <i>Batrachochytrium salamandrivorans</i> in natural water. <i>Environmental DNA</i> , 2020, 2, 565-571.	3.1	11
26	Instant killing of pathogenic chytrid fungi by disposable nitrile gloves prevents disease transmission between amphibians. <i>PLoS ONE</i> , 2020, 15, e0241048.	1.1	6
27	In ovo vaccination of broilers against <i>Campylobacter jejuni</i> using a bacterin and subunit vaccine. <i>Poultry Science</i> , 2019, 98, 5999-6004.	1.5	14
28	Cryptic diversity of a widespread global pathogen reveals expanded threats to amphibian conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20382-20387.	3.3	86
29	In vitro modeling of <i>Batrachochytrium dendrobatidis</i> infection of the amphibian skin. <i>PLoS ONE</i> , 2019, 14, e0225224.	1.1	5
30	Reference Gene Validation for Quantitative Real-time PCR Studies in Amphibian Kidney-derived A6 Epithelial Cells. <i>ATLA Alternatives To Laboratory Animals</i> , 2019, 47, 63-70.	0.7	5
31	Growth Regulation in Amphibian Pathogenic Chytrid Fungi by the Quorum Sensing Metabolite Tryptophol. <i>Frontiers in Microbiology</i> , 2019, 9, 3277.	1.5	6
32	Reducing <i>Campylobacter jejuni</i> colonization in broiler chickens by in-feed supplementation with hyperimmune egg yolk antibodies. <i>Scientific Reports</i> , 2019, 9, 8931.	1.6	20
33	Pooling skin swabs does not inhibit qPCR detection of amphibian chytrid infection. <i>PLoS ONE</i> , 2019, 14, e0214405.	1.1	3
34	Amphibian fungal panzootic causes catastrophic and ongoing loss of biodiversity. <i>Science</i> , 2019, 363, 1459-1463.	6.0	805
35	Quantifying the burden of managing wildlife diseases in multiple host species. <i>Conservation Biology</i> , 2019, 33, 1131-1140.	2.4	16
36	Mitigating <i>Batrachochytrium salamandrivorans</i> in Europe. <i>Amphibia - Reptilia</i> , 2019, 40, 265-290.	0.1	26

#	ARTICLE	IF	CITATIONS
37	Reference gene screening of <i>Batrachochytrium dendrobatidis</i> and <i>Batrachochytrium salamandrivorans</i> for quantitative real-time PCR studies. <i>Scientific Reports</i> , 2019, 9, 18534.	1.6	6
38	RECENT CHANGES IN INFECTIOUS DISEASES IN EUROPEAN WILDLIFE. <i>Journal of Wildlife Diseases</i> , 2019, 55, 3.	0.3	51
39	In vitro modeling of <i>Batrachochytrium dendrobatidis</i> infection of the amphibian skin. , 2019, 14, e0225224.		0
40	In vitro modeling of <i>Batrachochytrium dendrobatidis</i> infection of the amphibian skin. , 2019, 14, e0225224.		0
41	In vitro modeling of <i>Batrachochytrium dendrobatidis</i> infection of the amphibian skin. , 2019, 14, e0225224.		0
42	In vitro modeling of <i>Batrachochytrium dendrobatidis</i> infection of the amphibian skin. , 2019, 14, e0225224.		0
43	Widespread occurrence of an emerging fungal pathogen in heavily traded Chinese urodelan species. <i>Conservation Letters</i> , 2018, 11, e12436.	2.8	38
44	Decision-making for mitigating wildlife diseases: From theory to practice for an emerging fungal pathogen of amphibians. <i>Journal of Applied Ecology</i> , 2018, 55, 1987-1996.	1.9	49
45	The anuran skin peptide bradykinin mediates its own absorption across epithelial barriers of the digestive tract. <i>Peptides</i> , 2018, 103, 84-89.	1.2	4
46	Fungal infections in animals: a patchwork of different situations. <i>Medical Mycology</i> , 2018, 56, S165-S187.	0.3	141
47	Evidence for a primate origin of zoonotic <i>Helicobacter suis</i> colonizing domesticated pigs. <i>ISME Journal</i> , 2018, 12, 77-86.	4.4	26
48	Mitigating the impact of microbial pressure on great (Parus major) and blue (Cyanistes caeruleus) tit hatching success through maternal immune investment. <i>PLoS ONE</i> , 2018, 13, e0204022.	1.1	6
49	In planta expression of nanobody-based designer chicken antibodies targeting <i>Campylobacter</i> . <i>PLoS ONE</i> , 2018, 13, e0204222.	1.1	19
50	Epidemiological tracing of <i>Batrachochytrium salamandrivorans</i> identifies widespread infection and associated mortalities in private amphibian collections. <i>Scientific Reports</i> , 2018, 8, 13845.	1.6	47
51	Development and worldwide use of non-lethal, and minimal population-level impact, protocols for the isolation of amphibian chytrid fungi. <i>Scientific Reports</i> , 2018, 8, 7772.	1.6	24
52	Environmental context and differences between native and invasive observed niches of <i>Batrachochytrium salamandrivorans</i> affect invasion risk assessments in the Western Palaearctic. <i>Diversity and Distributions</i> , 2018, 24, 1788-1801.	1.9	44
53	Skin mucosome activity as an indicator of <i>Batrachochytrium salamandrivorans</i> susceptibility in salamanders. <i>PLoS ONE</i> , 2018, 13, e0199295.	1.1	24
54	The changing views on the evolutionary relationships of extant Salamandridae (Amphibia: Urodela). <i>PLoS ONE</i> , 2018, 13, e0198237.	1.1	13

#	ARTICLE	IF	CITATIONS
55	Recent Asian origin of chytrid fungi causing global amphibian declines. <i>Science</i> , 2018, 360, 621-627.	6.0	389
56	Post-epizootic salamander persistence in a disease-free refugium suggests poor dispersal ability of <i>Batrachochytrium salamandrivorans</i> . <i>Scientific Reports</i> , 2018, 8, 3800.	1.6	23
57	Disruption of skin microbiota contributes to salamander disease. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180758.	1.2	45
58	Impact of asynchronous emergence of two lethal pathogens on amphibian assemblages. <i>Scientific Reports</i> , 2017, 7, 43260.	1.6	46
59	Drivers of salamander extirpation mediated by <i>Batrachochytrium salamandrivorans</i> . <i>Nature</i> , 2017, 544, 353-356.	13.7	187
60	Neutrophil Elastase and Interleukin 17 Expressed in the Pig Colon during <i>Brachyspira hyodysenteriae</i> Infection Synergistically with the Pathogen Induce Increased Mucus Transport Speed and Production via Mitogen-Activated Protein Kinase 3. <i>Infection and Immunity</i> , 2017, 85, .	1.0	16
61	<i>Batrachochytrium salamandrivorans</i> is the predominant chytrid fungus in Vietnamese salamanders. <i>Scientific Reports</i> , 2017, 7, 44443.	1.6	72
62	Genomic innovations linked to infection strategies across emerging pathogenic chytrid fungi. <i>Nature Communications</i> , 2017, 8, 14742.	5.8	96
63	<i>Brachyspira hyodysenteriae</i> Infection Regulates Mucin Glycosylation Synthesis Inducing an Increased Expression of Core-2 O-Glycans in Porcine Colon. <i>Journal of Proteome Research</i> , 2017, 16, 1728-1742.	1.8	34
64	A virulent clone of <i>Devriesea agamarum</i> affects endangered Lesser Antillean iguanas ( <i>Iguana</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.6	16
65	Fragile coexistence of a global chytrid pathogen with amphibian populations is mediated by environment and demography. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171444.	1.2	37
66	Future of keeping pet reptiles and amphibians: towards integrating animal welfare, human health and environmental sustainability. <i>Veterinary Record</i> , 2017, 181, 450-450.	0.2	53
67	Antimicrobial peptides in frog poisons constitute a molecular toxin delivery system against predators. <i>Nature Communications</i> , 2017, 8, 1495.	5.8	49
68	Effects of urbanization on host-pathogen interactions, using <i>Yersinia</i> in house sparrows as a model. <i>PLoS ONE</i> , 2017, 12, e0189509.	1.1	15
69	An avirulent <i>Brachyspira hyodysenteriae</i> strain elicits intestinal IgA and slows down spread of swine dysentery. <i>Veterinary Research</i> , 2017, 48, 59.	1.1	15
70	Nanobodies targeting conserved epitopes on the major outer membrane protein of <i>Campylobacter</i> as potential tools for control of <i>Campylobacter</i> colonization. <i>Veterinary Research</i> , 2017, 48, 86.	1.1	18
71	Low prevalence of human enteropathogenic <i>Yersinia</i> spp. in brown rats ( <i>Rattus norvegicus</i> ) in Flanders. <i>PLoS ONE</i> , 2017, 12, e0175648.	1.1	9
72	Host niche may determine disease-driven extinction risk. <i>PLoS ONE</i> , 2017, 12, e0181051.	1.1	14

#	ARTICLE	IF	CITATIONS
73	Efficacy of chemical disinfectants for the containment of the salamander chytrid fungus <i>Batrachochytrium salamandrivorans</i> . PLoS ONE, 2017, 12, e0186269.	1.1	34
74	Oral glutathione supplementation drastically reduces <i>Helicobacter</i> -induced gastric pathologies. Scientific Reports, 2016, 6, 20169.	1.6	20
75	Variation in hemolytic activity of <i>Brachyspira hyodysenteriae</i> strains from pigs. Veterinary Research, 2016, 47, 66.	1.1	24
76	Efficacy of gamithromycin against <i>Ornithobacterium rhinotracheale</i> in turkey poult pre-infected with avian metapneumovirus. Avian Pathology, 2016, 45, 545-551.	0.8	4
77	Subtherapeutic tetracycline concentrations aggravate <i>Salmonella Typhimurium</i> infection by increasing bacterial virulence. Journal of Antimicrobial Chemotherapy, 2016, 71, 2158-2166.	1.3	8
78	Feral pigeons: A reservoir of zoonotic <i>Salmonella Enteritidis</i> strains?. Veterinary Microbiology, 2016, 195, 101-103.	0.8	15
79	MONITORING RANAVIRUS-ASSOCIATED MORTALITY IN A DUTCH HEATHLAND IN THE AFTERMATH OF A RANAVIRUS DISEASE OUTBREAK. Journal of Wildlife Diseases, 2016, 52, 817.	0.3	5
80	The global amphibian trade flows through Europe: the need for enforcing and improving legislation. Biodiversity and Conservation, 2016, 25, 2581-2595.	1.2	45
81	Mitigating amphibian chytridiomycoses in nature. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160207.	1.8	125
82	Host Stress Drives <i>Salmonella</i> Recrudescence. Scientific Reports, 2016, 6, 20849.	1.6	21
83	<i>RANAVIRUS</i> CAUSES MASS DIE-OFFS OF ALPINE AMPHIBIANS IN THE SOUTHWESTERN ALPS, FRANCE. Journal of Wildlife Diseases, 2016, 52, 242-252.	0.3	29
84	House Sparrows Do Not Constitute a Significant <i>Salmonella Typhimurium</i> Reservoir across Urban Gradients in Flanders, Belgium. PLoS ONE, 2016, 11, e0155366.	1.1	7
85	Investigation of Amphibian Mortality Events in Wildlife Reveals an On-Going Ranavirus Epidemic in the North of the Netherlands. PLoS ONE, 2016, 11, e0157473.	1.1	28
86	The Impact of Deoxynivalenol on Pigeon Health: Occurrence in Feed, Toxicokinetics and Interaction with Salmonellosis. PLoS ONE, 2016, 11, e0168205.	1.1	7
87	HtpG contributes to <i>Salmonella Typhimurium</i> intestinal persistence in pigs. Veterinary Research, 2015, 46, 118.	1.1	32
88	Detection of arenavirus in a peripheral odontogenic fibromyxoma in a red tail boa ( <i>Boa</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td Investigation, 2015, 27, 245-248.	0.5	13
89	Mycotoxins Deoxynivalenol and Fumonisin Alter the Extrinsic Component of Intestinal Barrier in Broiler Chickens. Journal of Agricultural and Food Chemistry, 2015, 63, 10846-10855.	2.4	71
90	Genome Sequence of <i>Devriesea agamarum</i> , Isolated from Agamid Lizards with Dermatitis. Genome Announcements, 2015, 3, .	0.8	3

#	ARTICLE	IF	CITATIONS
91	Fumonisin affect the intestinal microbial homeostasis in broiler chickens, predisposing to necrotic enteritis. <i>Veterinary Research</i> , 2015, 46, 98.	1.1	69
92	Heat-labile enterotoxin of <i>Escherichia coli</i> promotes intestinal colonization of <i>Salmonella enterica</i> . <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2015, 43, 1-7.	0.7	13
93	Marek's disease virus associated ocular lymphoma in Rouloul partridges ( <i>Rollulus rouloul</i> ). <i>Avian Pathology</i> , 2015, 44, 347-351.	0.8	16
94	The Levels of <i>Brachyspira hyodysenteriae</i> Binding to Porcine Colonic Mucins Differ between Individuals, and Binding Is Increased to Mucins from Infected Pigs with <i>De Novo</i> MUC5AC Synthesis. <i>Infection and Immunity</i> , 2015, 83, 1610-1619.	1.0	41
95	Amphibian chytridiomycosis: a review with focus on fungus-host interactions. <i>Veterinary Research</i> , 2015, 46, 137.	1.1	158
96	<i>Batrachochytrium salamandrivorans</i> : The North American Response and a Call for Action. <i>PLoS Pathogens</i> , 2015, 11, e1005251.	2.1	82
97	The Impact of <i>Fusarium</i> Mycotoxins on Human and Animal Host Susceptibility to Infectious Diseases. <i>Toxins</i> , 2014, 6, 430-452.	1.5	223
98	Environmental Determinants of Recent Endemism of <i>Batrachochytrium dendrobatidis</i> Infections in Amphibian Assemblages in the Absence of Disease Outbreaks. <i>Conservation Biology</i> , 2014, 28, 1302-1311.	2.4	43
99	Microscopic Aquatic Predators Strongly Affect Infection Dynamics of a Globally Emerged Pathogen. <i>Current Biology</i> , 2014, 24, 176-180.	1.8	117
100	Diversity of zoonotic enterohepatic <i>Helicobacter</i> species and detection of a putative novel gastric <i>Helicobacter</i> species in wild and wild-born captive chimpanzees and western lowland gorillas. <i>Veterinary Microbiology</i> , 2014, 174, 186-194.	0.8	14
101	The Mycotoxin Deoxynivalenol Predisposes for the Development of <i>Clostridium perfringens</i> -Induced Necrotic Enteritis in Broiler Chickens. <i>PLoS ONE</i> , 2014, 9, e108775.	1.1	67
102	Autovaccination Confers Protection against <i>Devriesea agamarum</i> Associated Septicemia but Not Dermatitis in Bearded Dragons ( <i>Pogona vitticeps</i> ). <i>PLoS ONE</i> , 2014, 9, e113084.	1.1	10
103	<i>Batrachochytrium salamandrivorans</i> sp. nov. causes lethal chytridiomycosis in amphibians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15325-15329.	3.3	528
104	Resistance to Chytridiomycosis in European Plethodontid Salamanders of the Genus <i>Speleomantes</i> . <i>PLoS ONE</i> , 2013, 8, e63639.	1.1	19
105	Assessing the Use of Microchip Transponders as a Marking Method in Juvenile Hermann's Tortoises ( <i>Testudo hermanni</i> ). <i>Journal of Herpetological Medicine and Surgery</i> , 2013, 23, 32.	0.2	1
106	Clinically healthy amphibians in captive collections and at pet fairs: A reservoir of <i>Batrachochytrium dendrobatidis</i> . <i>Amphibia - Reptilia</i> , 2011, 32, 419-423.	0.1	24
107	<i>Anaerostipes butyraticus</i> sp. nov., an anaerobic, butyrate-producing bacterium from <i>Clostridium</i> cluster XIVa isolated from broiler chicken caecal content, and emended description of the genus <i>Anaerostipes</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1108-1112.	0.8	49
108	Introducing reptiles into a captive collection: The role of the veterinarian. <i>Veterinary Journal</i> , 2008, 175, 53-68.	0.6	125

#	ARTICLE	IF	CITATIONS
109	Ranavirus-associated mass mortality in imported red tailed knobby newts ( <i>Tylototriton</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	0.6	27
110	Induction of the Carrier State in Pigeons Infected with <i>Salmonella enterica</i> Subspecies <i>enterica</i> Serovar Typhimurium PT99 by Treatment with Florfenicol: a Matter of Pharmacokinetics. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 954-961.	1.4	20
111	Virulence properties of <i>Campylobacter jejuni</i> isolates of poultry and human origin. <i>Journal of Medical Microbiology</i> , 2007, 56, 1284-1289.	0.7	47
112	Characterization of isolates from captive lizards. <i>Veterinary Microbiology</i> , 2005, 110, 285-291.	0.8	57
113	Assessment of Virulence of Pigeon Isolates of <i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Typhimurium Variant Copenhagen for Humans. <i>Journal of Clinical Microbiology</i> , 2004, 42, 2000-2002.	1.8	29
114	Host Adaptation of Pigeon Isolates of <i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Typhimurium Variant Copenhagen Phage Type 99 Is Associated with Enhanced Macrophage Cytotoxicity. <i>Infection and Immunity</i> , 2003, 71, 6068-6074.	1.0	49
115	Pathogenesis of infections with <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Muenchen in the turtle <i>Trachemys scripta scripta</i> . <i>Veterinary Microbiology</i> , 2002, 87, 315-325.	0.8	15
116	Alternative food sources interfere with removal of a fungal amphibian pathogen by zooplankton. <i>Journal of Applied Ecology</i> , 0, , .	1.9	1