Frank Pasmans

List of Publications by Year
in descending order

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116 papers	5,206 citations	126907 33 h-index	98798 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. Science of the Total Environment, 2022, 823, 153800.	8.0	1
2	Tree Species Diversity and Forest Edge Density Jointly Shape the Gut Microbiota Composition in Juvenile Great Tits (Parus major). Frontiers in Microbiology, 2022, 13, 790189.	3.5	5
3	Tourism may threaten wildlife disease refugia. Conservation Letters, 2022, 15, .	5.7	4
4	Phylotranscriptomic evidence for pervasive ancient hybridization among Old World salamanders. Molecular Phylogenetics and Evolution, 2021, 155, 106967.	2.7	22
5	Microclimate limits thermal behaviour favourable to disease control in a nocturnal amphibian. Ecology Letters, 2021, 24, 27-37.	6.4	11
6	Application of Disinfectants for Environmental Control of a Lethal Amphibian Pathogen. Journal of Fungi (Basel, Switzerland), 2021, 7, 406.	3.5	1
7	Landscape epidemiology of Batrachochytrium salamandrivorans: reconciling data limitations and conservation urgency. Ecological Applications, 2021, 31, e02342.	3.8	8
8	Does Chytridiomycosis Affect Tree Frog Attachment?. Diversity, 2021, 13, 262.	1.7	0
9	Salamander loss alters litter decomposition dynamics. Science of the Total Environment, 2021, 776, 145994.	8.0	6
10	Batrachochytrium salamandrivorans Threat to the Iberian Urodele Hotspot. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.5	5
11	Virulence and Pathogenicity of Chytrid Fungi Causing Amphibian Extinctions. Annual Review of Microbiology, 2021, 75, 673-693.	7.3	22
12	Ratio-dependent functional response of two common Cladocera present in farmland ponds to Batrachochytrium dendrobatidis. Fungal Ecology, 2021, 53, 101089.	1.6	5
13	Diet diversity and environment determine the intestinal microbiome and bacterial pathogen load of fire salamanders. Scientific Reports, 2021, 11, 20493.	3.3	7
14	Epidermal galactose spurs chytrid virulence and predicts amphibian colonization. Nature Communications, 2021, 12, 5788.	12.8	10
15	Diversity, multifaceted evolution, and facultative saprotrophism in the European Batrachochytrium salamandrivorans epidemic. Nature Communications, 2021, 12, 6688.	12.8	11
16	Landscape Connectivity Limits the Predicted Impact of Fungal Pathogen Invasion. Journal of Fungi (Basel, Switzerland), 2020, 6, 205.	3.5	6
17	Towards a food web based control strategy to mitigate an amphibian panzootic in agricultural landscapes. Global Ecology and Conservation, 2020, 24, e01314.	2.1	6
18	Presence of low virulence chytrid fungi could protect European amphibians from more deadly strains. Nature Communications, 2020, 11, 5393.	12.8	22

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19	Dampened virulence and limited proliferation of Batrachochytrium salamandrivorans during subclinical infection of the troglobiont olm (Proteus anguinus). Scientific Reports, 2020, 10, 16480.	3.3	4
20	An Alphaherpesvirus Exploits Antimicrobial Î²-Defensins To Initiate Respiratory Tract Infection. Journal of Virology, 2020, 94, .	3.4	11
21	Research Note: Lyophilization of hyperimmune egg yolk: effect on antibody titer and protection of broilers against Campylobacter colonization. Poultry Science, 2020, 99, 2157-2161.	3.4	3
22	Response to Comment on â€œAmphibian fungal panzootic causes catastrophic and ongoing loss of biodiversityâ€• Science, 2020, 367, .	12.6	15
23	A New Family of Diverse Skin Peptides from the Microhylid Frog Genus Phrynomantis. Molecules, 2020, 25, 912.	3.8	4
24	Integral chain management of wildlife diseases. Conservation Letters, 2020, 13, e12707.	5.7	53
25	Using environmental DNA for detection of Batrachochytrium salamandrivorans in natural water. Environmental DNA, 2020, 2, 565-571.	5.8	11
26	Instant killing of pathogenic chytrid fungi by disposable nitrile gloves prevents disease transmission between amphibians. PLoS ONE, 2020, 15, e0241048.	2.5	6
27	In ovo vaccination of broilers against Campylobacter jejuni using a bacterin and subunit vaccine. Poultry Science, 2019, 98, 5999-6004.	3.4	14
28	Cryptic diversity of a widespread global pathogen reveals expanded threats to amphibian conservation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20382-20387.	7.1	86
29	In vitro modeling of Batrachochytrium dendrobatidis infection of the amphibian skin. PLoS ONE, 2019, 14, e0225224.	2.5	5
30	Reference Gene Validation for Quantitative Real-time PCR Studies in Amphibian Kidney-derived A6 Epithelial Cells. ATLA Alternatives To Laboratory Animals, 2019, 47, 63-70.	1.0	5
31	Growth Regulation in Amphibian Pathogenic Chytrid Fungi by the Quorum Sensing Metabolite Tryptophol. Frontiers in Microbiology, 2019, 9, 3277.	3.5	6
32	Reducing Campylobacter jejuni colonization in broiler chickens by in-feed supplementation with hyperimmune egg yolk antibodies. Scientific Reports, 2019, 9, 8931.	3.3	20
33	Pooling skin swabs does not inhibit qPCR detection of amphibian chytrid infection. PLoS ONE, 2019, 14, e0214405.	2.5	3
34	Amphibian fungal panzootic causes catastrophic and ongoing loss of biodiversity. Science, 2019, 363, 1459-1463.	12.6	805
35	Quantifying the burden of managing wildlife diseases in multiple host species. Conservation Biology, 2019, 33, 1131-1140.	4.7	16
36	Mitigating Batrachochytrium salamandrivorans in Europe. Amphibia - Reptilia, 2019, 40, 265-290.	0.5	26

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37	Reference gene screening of Batrachochytrium dendrobatidis and Batrachochytrium salamandrivorans for quantitative real-time PCR studies. Scientific Reports, 2019, 9, 18534.	3.3	6
38	RECENT CHANGES IN INFECTIOUS DISEASES IN EUROPEAN WILDLIFE. Journal of Wildlife Diseases, 2019, 55, 3.	0.8	51
39	In vitro modeling of Batrachochytrium dendrobatidis infection of the amphibian skin. , 2019, 14, e0225224.		0
40	In vitro modeling of Batrachochytrium dendrobatidis infection of the amphibian skin. , 2019, 14, e0225224.		0
41	In vitro modeling of Batrachochytrium dendrobatidis infection of the amphibian skin. , 2019, 14, e0225224.		0
42	In vitro modeling of Batrachochytrium dendrobatidis infection of the amphibian skin. , 2019, 14, e0225224.		0
43	Widespread occurrence of an emerging fungal pathogen in heavily traded Chinese urodelan species. Conservation Letters, 2018, 11, e12436.	5.7	38
44	Decisionâ€making for mitigating wildlife diseases: From theory to practice for an emerging fungal pathogen of amphibians. Journal of Applied Ecology, 2018, 55, 1987-1996.	4.0	49
45	The anuran skin peptide bradykinin mediates its own absorption across epithelial barriers of the digestive tract. Peptides, 2018, 103, 84-89.	2.4	4
46	Fungal infections in animals: a patchwork of different situations. Medical Mycology, 2018, 56, S165-S187.	0.7	141
47	Evidence for a primate origin of zoonotic Helicobacter suis colonizing domesticated pigs. ISME Journal, 2018, 12, 77-86.	9.8	26
48	Mitigating the impact of microbial pressure on great (Parus major) and blue (Cyanistes caeruleus) tit hatching success through maternal immune investment. PLoS ONE, 2018, 13, e0204022.	2.5	6
49	In planta expression of nanobody-based designer chicken antibodies targeting Campylobacter. PLoS ONE, 2018, 13, e0204222.	2.5	19
50	Epidemiological tracing of Batrachochytrium salamandrivorans identifies widespread infection and associated mortalities in private amphibian collections. Scientific Reports, 2018, 8, 13845.	3.3	47
51	Development and worldwide use of non-lethal, and minimal population-level impact, protocols for the isolation of amphibian chytrid fungi. Scientific Reports, 2018, 8, 7772.	3.3	24
52	Environmental context and differences between native and invasive observed niches of Batrachochytrium salamandrivorans affect invasion risk assessments in the Western Palaearctic. Diversity and Distributions, 2018, 24, 1788-1801.	4.1	44
53	Skin mucosome activity as an indicator of Batrachochytrium salamandrivorans susceptibility in salamanders. PLoS ONE, 2018, 13, e0199295.	2.5	24
54	The changing views on the evolutionary relationships of extant Salamandridae (Amphibia: Urodela). PLoS ONE, 2018, 13, e0198237.	2.5	13

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55	Recent Asian origin of chytrid fungi causing global amphibian declines. Science, 2018, 360, 621-627.	12.6	389
56	Post-epizootic salamander persistence in a disease-free refugium suggests poor dispersal ability of Batrachochytrium salamandrivorans. Scientific Reports, 2018, 8, 3800.	3.3	23
57	Disruption of skin microbiota contributes to salamander disease. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180758.	2.6	45
58	Impact of asynchronous emergence of two lethal pathogens on amphibian assemblages. Scientific Reports, 2017, 7, 43260.	3.3	46
59	Drivers of salamander extirpation mediated by Batrachochytrium salamandrivorans. Nature, 2017, 544, 353-356.	27.8	187
60	Neutrophil Elastase and Interleukin 17 Expressed in the Pig Colon during Brachyspira hyodysenteriae Infection Synergistically with the Pathogen Induce Increased Mucus Transport Speed and Production via Mitogen-Activated Protein Kinase 3. Infection and Immunity, 2017, 85, .	2.2	16
61	Batrachochytrium salamandrivorans is the predominant chytrid fungus in Vietnamese salamanders. Scientific Reports, 2017, 7, 44443.	3.3	72
62	Genomic innovations linked to infection strategies across emerging pathogenic chytrid fungi. Nature Communications, 2017, 8, 14742.	12.8	96
63	Brachyspira hyodysenteriae Infection Regulates Mucin Glycosylation Synthesis Inducing an Increased Expression of Core-2 O-Glycans in Porcine Colon. Journal of Proteome Research, 2017, 16, 1728-1742.	3.7	34
64	A virulent clone of Devriesea agamarum affects endangered Lesser Antillean iguanas (Iguana) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	3.3	16
65	Fragile coexistence of a global chytrid pathogen with amphibian populations is mediated by environment and demography. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171444.	2.6	37
66	Future of keeping pet reptiles and amphibians: towards integrating animal welfare, human health and environmental sustainability. Veterinary Record, 2017, 181, 450-450.	0.3	53
67	Antimicrobial peptides in frog poisons constitute a molecular toxin delivery system against predators. Nature Communications, 2017, 8, 1495.	12.8	49
68	Effects of urbanization on host-pathogen interactions, using Yersinia in house sparrows as a model. PLoS ONE, 2017, 12, e0189509.	2.5	15
69	An avirulent Brachyspira hyodysenteriae strain elicits intestinal IgA and slows down spread of swine dysentery. Veterinary Research, 2017, 48, 59.	3.0	15
70	Nanobodies targeting conserved epitopes on the major outer membrane protein of Campylobacter as potential tools for control of Campylobacter colonization. Veterinary Research, 2017, 48, 86.	3.0	18
71	Low prevalence of human enteropathogenic Yersinia spp. in brown rats (Rattus norvegicus) in Flanders. PLoS ONE, 2017, 12, e0175648.	2.5	9
72	Host niche may determine disease-driven extinction risk. PLoS ONE, 2017, 12, e0181051.	2.5	14

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73	Efficacy of chemical disinfectants for the containment of the salamander chytrid fungus Batrachochytrium salamandrivorans. PLoS ONE, 2017, 12, e0186269.	2.5	34
74	Oral glutathione supplementation drastically reduces Helicobacter-induced gastric pathologies. Scientific Reports, 2016, 6, 20169.	3.3	20
75	Variation in hemolytic activity of Brachyspira hyodysenteriae strains from pigs. Veterinary Research, 2016, 47, 66.	3.0	24
76	Efficacy of gamithromycin againstOrnithobacterium rhinotrachealein turkey poults pre-infected with avian metapneumovirus. Avian Pathology, 2016, 45, 545-551.	2.0	4
77	Subtherapeutic tetracycline concentrations aggravateSalmonellaTyphimurium infection by increasing bacterial virulence. Journal of Antimicrobial Chemotherapy, 2016, 71, 2158-2166.	3.0	8
78	Feral pigeons: A reservoir of zoonotic Salmonella Enteritidis strains?. Veterinary Microbiology, 2016, 195, 101-103.	1.9	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.	0.8	5
80	The global amphibian trade flows through Europe: the need for enforcing and improving legislation. Biodiversity and Conservation, 2016, 25, 2581-2595.	2.6	45
81	Mitigating amphibian chytridiomycoses in nature. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160207.	4.0	125
82	Host Stress Drives Salmonella Recrudescence. Scientific Reports, 2016, 6, 20849.	3.3	21
83	RANAVIRUS CAUSES MASS DIE-OFFS OF ALPINE AMPHIBIANS IN THE SOUTHWESTERN ALPS, FRANCE. Journal of Wildlife Diseases, 2016, 52, 242-252.	0.8	29
84	House Sparrows Do Not Constitute a Significant Salmonella Typhimurium Reservoir across Urban Gradients in Flanders, Belgium. PLoS ONE, 2016, 11, e0155366.	2.5	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.	2.5	28
86	The Impact of Deoxynivalenol on Pigeon Health: Occurrence in Feed, Toxicokinetics and Interaction with Salmonellosis. PLoS ONE, 2016, 11, e0168205.	2.5	7
87	HtpG contributes to Salmonella Typhimurium intestinal persistence in pigs. Veterinary Research, 2015, 46, 118.	3.0	32
88	Detection of arenavirus in a peripheral odontogenic fibromyxoma in a red tail boa (Boa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td Investigation, 2015, 27, 245-248.	1.1	13
89	Mycotoxins Deoxynivalenol and Fumonisins Alter the Extrinsic Component of Intestinal Barrier in Broiler Chickens. Journal of Agricultural and Food Chemistry, 2015, 63, 10846-10855.	5.2	71
90	Genome Sequence of Devriesea agamarum, Isolated from Agamid Lizards with Dermatitis. Genome Announcements, 2015, 3, .	0.8	3

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91	Fumonisins affect the intestinal microbial homeostasis in broiler chickens, predisposing to necrotic enteritis. Veterinary Research, 2015, 46, 98.	3.0	69
92	Heat-labile enterotoxin of Escherichia coli promotes intestinal colonization of Salmonella enterica. Comparative Immunology, Microbiology and Infectious Diseases, 2015, 43, 1-7.	1.6	13
93	Marek's disease virus associated ocular lymphoma in Roulroul partridges (Rollulus rouloul). Avian Pathology, 2015, 44, 347-351.	2.0	16
94	The Levels of Brachyspira hyodysenteriae Binding to Porcine Colonic Mucins Differ between Individuals, and Binding Is Increased to Mucins from Infected Pigs with De Novo MUC5AC Synthesis. Infection and Immunity, 2015, 83, 1610-1619.	2.2	41
95	Amphibian chytridiomycosis: a review with focus on fungus-host interactions. Veterinary Research, 2015, 46, 137.	3.0	158
96	Batrachochytrium salamandrivorans: The North American Response and a Call for Action. PLoS Pathogens, 2015, 11, e1005251.	4.7	82
97	The Impact of Fusarium Mycotoxins on Human and Animal Host Susceptibility to Infectious Diseases. Toxins, 2014, 6, 430-452.	3.4	223
98	Environmental Determinants of Recent Endemism of Batrachochytrium dendrobatidis Infections in Amphibian Assemblages in the Absence of Disease Outbreaks. Conservation Biology, 2014, 28, 1302-1311.	4.7	43
99	Microscopic Aquatic Predators Strongly Affect Infection Dynamics of a Globally Emerged Pathogen. Current Biology, 2014, 24, 176-180.	3.9	117
100	Diversity of zoonotic enterohepatic Helicobacter species and detection of a putative novel gastric Helicobacter species in wild and wild-born captive chimpanzees and western lowland gorillas. Veterinary Microbiology, 2014, 174, 186-194.	1.9	14
101	The Mycotoxin Deoxynivalenol Predisposes for the Development of Clostridium perfringens-Induced Necrotic Enteritis in Broiler Chickens. PLoS ONE, 2014, 9, e108775.	2.5	67
102	Autovaccination Confers Protection against Devriesea agamarum Associated Septicemia but Not Dermatitis in Bearded Dragons (Pogona vitticeps). PLoS ONE, 2014, 9, e113084.	2.5	10
103	Batrachochytrium salamandrivorans sp. nov. causes lethal chytridiomycosis in amphibians. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15325-15329.	7.1	528
104	Resistance to Chytridiomycosis in European Plethodontid Salamanders of the Genus Speleomantes. PLoS ONE, 2013, 8, e63639.	2.5	19
105	Assessing the Use of Microchip Transponders as a Marking Method in Juvenile Hermann's Tortoises (Testudo hermanni). Journal of Herpetological Medicine and Surgery, 2013, 23, 32.	0.4	1
106	Clinically healthy amphibians in captive collections and at pet fairs: A reservoir of Batrachochytrium dendrobatidis. Amphibia - Reptilia, 2011, 32, 419-423.	0.5	24
107	Anaerostipes butyraticus sp. nov., an anaerobic, butyrate-producing bacterium from Clostridium cluster XIVa isolated from broiler chicken caecal content, and emended description of the genus Anaerostipes. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1108-1112.	1.7	49
108	Introducing reptiles into a captive collection: The role of the veterinarian. Veterinary Journal, 2008, 175, 53-68.	1.7	125

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109	Ranavirus-associated mass mortality in imported red tailed knobby newts (Tylototriton) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	1.7	27
110	Induction of the Carrier State in Pigeons Infected with Salmonella enterica Subspecies enterica Serovar Typhimurium PT99 by Treatment with Florfenicol: a Matter of Pharmacokinetics. Antimicrobial Agents and Chemotherapy, 2008, 52, 954-961.	3.2	20
111	Virulence properties of Campylobacter jejuni isolates of poultry and human origin. Journal of Medical Microbiology, 2007, 56, 1284-1289.	1.8	47
112	Characterization of isolates from captive lizards. Veterinary Microbiology, 2005, 110, 285-291.	1.9	57
113	Assessment of Virulence of Pigeon Isolates of Salmonella enterica subsp. enterica Serovar Typhimurium Variant Copenhagen for Humans. Journal of Clinical Microbiology, 2004, 42, 2000-2002.	3.9	29
114	Host Adaptation of Pigeon Isolates of Salmonella enterica subsp. enterica Serovar Typhimurium Variant Copenhagen Phage Type 99 Is Associated with Enhanced Macrophage Cytotoxicity. Infection and Immunity, 2003, 71, 6068-6074.	2.2	49
115	Pathogenesis of infections with Salmonella enterica subsp. enterica serovar Muenchen in the turtle Trachemys scripta scripta. Veterinary Microbiology, 2002, 87, 315-325.	1.9	15
116	Alternative food sources interfere with removal of a fungal amphibian pathogen by zooplankton. Journal of Applied Ecology, 0, , .	4.0	1