

Pieter Van West

List of Publications by Year in descending order

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75
papers

6,830
citations

126858

33
h-index

71651

76
g-index

79
all docs

79
docs citations

79
times ranked

5174
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequence and analysis of the Irish potato famine pathogen <i>Phytophthora infestans</i> . <i>Nature</i> , 2009, 461, 393-398.	13.7	1,405
2	A translocation signal for delivery of oomycete effector proteins into host plant cells. <i>Nature</i> , 2007, 450, 115-118.	13.7	760
3	Genome sequence of the necrotrophic plant pathogen <i>Pythium ultimum</i> reveals original pathogenicity mechanisms and effector repertoire. <i>Genome Biology</i> , 2010, 11, R73.	13.9	391
4	Resistance of <i>Nicotiana benthamiana</i> to <i>Phytophthora infestans</i> Is Mediated by the Recognition of the Elicitor Protein INF1. <i>Plant Cell</i> , 1998, 10, 1413-1425.	3.1	371
5	EST Mining and Functional Expression Assays Identify Extracellular Effector Proteins From the Plant Pathogen <i>Phytophthora</i> . <i>Genome Research</i> , 2003, 13, 1675-1685.	2.4	333
6	<i>Saprolegnia parasitica</i> , an oomycete pathogen with a fishy appetite: new challenges for an old problem. <i>The Mycologist</i> , 2006, 20, 99-104.	0.5	277
7	Distinctive Expansion of Potential Virulence Genes in the Genome of the Oomycete Fish Pathogen <i>Saprolegnia parasitica</i> . <i>PLoS Genetics</i> , 2013, 9, e1003272.	1.5	221
8	New insights into animal pathogenic oomycetes. <i>Trends in Microbiology</i> , 2008, 16, 13-19.	3.5	198
9	Internuclear Gene Silencing in <i>Phytophthora infestans</i> . <i>Molecular Cell</i> , 1999, 3, 339-348.	4.5	168
10	Presence/absence, differential expression and sequence polymorphisms between <i>PiAVR2</i> and <i>PiAVR2-like</i> in <i>Phytophthora infestans</i> determine virulence on <i>R2</i> plants. <i>New Phytologist</i> , 2011, 191, 763-776.	3.5	142
11	Cellulose Synthesis in <i>Phytophthora infestans</i> Is Required for Normal Appressorium Formation and Successful Infection of Potato. <i>Plant Cell</i> , 2008, 20, 720-738.	3.1	133
12	Advances in research on oomycete root pathogens. <i>Physiological and Molecular Plant Pathology</i> , 2003, 62, 99-113.	1.3	125
13	The RxLR Motif of the Host Targeting Effector AVR3a of <i>Phytophthora infestans</i> Is Cleaved before Secretion. <i>Plant Cell</i> , 2017, 29, 1184-1195.	3.1	123
14	The impact of the water moulds <i>Saprolegnia diclina</i> and <i>Saprolegnia parasitica</i> on natural ecosystems and the aquaculture industry. <i>Fungal Biology Reviews</i> , 2013, 27, 33-42.	1.9	121
15	The <i>piO</i> Gene of <i>Phytophthora infestans</i> Is Highly Expressed in Invading Hyphae during Infection. <i>Fungal Genetics and Biology</i> , 1998, 23, 126-138.	0.9	115
16	Emerging oomycete threats to plants and animals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150459.	1.8	114
17	A method for double-stranded RNA-mediated transient gene silencing in <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2005, 6, 153-163.	2.0	108
18	<i>Plasmodium falciparum</i> and <i>Hyaloperonospora parasitica</i> effector translocation motifs are functional in <i>Phytophthora infestans</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 3743-3751.	0.7	94

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19	Expressed sequence tags from the oomycete fish pathogen <i>Saprolegnia parasitica</i> reveal putative virulence factors. <i>BMC Microbiology</i> , 2005, 5, 46.	1.3	90
20	Secretion, delivery and function of oomycete effector proteins. <i>Current Opinion in Microbiology</i> , 2012, 15, 685-691.	2.3	90
21	Chaxapeptin, a Lasso Peptide from Extremotolerant <i>Streptomyces leeuwenhoekii</i> Strain C58 from the Hyperarid Atacama Desert. <i>Journal of Organic Chemistry</i> , 2015, 80, 10252-10260.	1.7	83
22	Host-targeting protein 1 (SpHtp1) from the oomycete <i>Saprolegnia parasitica</i> translocates specifically into fish cells in a tyrosine-O-sulphate-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2096-2101.	3.3	79
23	Global Distribution of Two Fungal Pathogens Threatening Endangered Sea Turtles. <i>PLoS ONE</i> , 2014, 9, e85853.	1.1	78
24	The oomycete <i>Pythium oligandrum</i> expresses putative effectors during mycoparasitism of <i>Phytophthora infestans</i> and is amenable to transformation. <i>Fungal Biology</i> , 2012, 116, 24-41.	1.1	74
25	Internuclear gene silencing in <i>Phytophthora infestans</i> is established through chromatin remodelling. <i>Microbiology (United Kingdom)</i> , 2008, 154, 1482-1490.	0.7	71
26	Export of malaria proteins requires co-translational processing of the PEXEL motif independent of phosphatidylinositol-3-phosphate binding. <i>Nature Communications</i> , 2016, 7, 10470.	5.8	65
27	Deciphering microbial landscapes of fish eggs to mitigate emerging diseases. <i>ISME Journal</i> , 2014, 8, 2002-2014.	4.4	64
28	Parental Transfer of the Antimicrobial Protein LBP/BPI Protects <i>Biomphalaria glabrata</i> Eggs against Oomycete Infections. <i>PLoS Pathogens</i> , 2013, 9, e1003792.	2.1	61
29	Immune gene expression in trout cell lines infected with the fish pathogenic oomycete <i>Saprolegnia parasitica</i> . <i>Developmental and Comparative Immunology</i> , 2012, 38, 44-54.	1.0	53
30	The putative RxLR effector protein SpHtp1 from the fish pathogenic oomycete <i>Saprolegnia parasitica</i> is translocated into fish cells. <i>FEMS Microbiology Letters</i> , 2010, 310, 127-137.	0.7	51
31	Role of Pathogen-Derived Cell Wall Carbohydrates and Prostaglandin E ₂ in Immune Response and Suppression of Fish Immunity by the Oomycete <i>Saprolegnia parasitica</i> . <i>Infection and Immunity</i> , 2014, 82, 4518-4529.	1.0	49
32	Green fluorescent protein (GFP) as a reporter gene for the plant pathogenic oomycete <i>Phytophthora palmivora</i> . <i>FEMS Microbiology Letters</i> , 1999, 178, 71-80.	0.7	45
33	Identification of appressorial and mycelial cell wall proteins and a survey of the membrane proteome of <i>Phytophthora infestans</i> . <i>Fungal Biology</i> , 2010, 114, 702-723.	1.1	41
34	Seaweed biodiversity in the south-western Antarctic Peninsula: surveying macroalgal community composition in the Adelaide Island/Marguerite Bay region over a 35-year time span. <i>Polar Biology</i> , 2014, 37, 1607-1619.	0.5	37
35	Pathogens of brown algae: culture studies of <i>Anisolpidium ectocarpii</i> and <i>A. rosenvingei</i> reveal that the Anisolpidiales are unflagellated oomycetes. <i>European Journal of Phycology</i> , 2017, 52, 133-148.	0.9	34
36	A Molecular Insight into Algal-Oomycete Warfare: cDNA Analysis of <i>Ectocarpus siliculosus</i> Infected with the Basal Oomycete <i>Eurychasma dicksonii</i> . <i>PLoS ONE</i> , 2011, 6, e24500.	1.1	33

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37	Arctic marine phytobenthos of northern Baffin Island. <i>Journal of Phycology</i> , 2016, 52, 532-549.	1.0	31
38	Infection of the brown alga <i>Ectocarpus siliculosus</i> by the oomycete <i>Urychasma dicksonii</i> induces oxidative stress and halogen metabolism. <i>Plant, Cell and Environment</i> , 2016, 39, 259-271.	2.8	30
39	Saprolegnia strains isolated from river insects and amphipods are broad spectrum pathogens. <i>Fungal Biology</i> , 2013, 117, 752-763.	1.1	29
40	Aphanomyces invadans, the causal agent of Epizootic Ulcerative Syndrome, is a global threat to wild and farmed fish. <i>Fungal Biology Reviews</i> , 2018, 32, 118-130.	1.9	29
41	Avirulence Protein 3a (AVR3a) from the Potato Pathogen <i>Phytophthora infestans</i> Forms Homodimers through Its Predicted Translocation Region and Does Not Specifically Bind Phospholipids. <i>Journal of Biological Chemistry</i> , 2012, 287, 38101-38109.	1.6	28
42	Cell entry of a host-targeting protein of oomycetes requires gp96. <i>Nature Communications</i> , 2018, 9, 2347.	5.8	28
43	Title is missing!. <i>European Journal of Plant Pathology</i> , 1998, 104, 521-525.	0.8	26
44	A putative serine protease, SpSsp1, from <i>Saprolegnia parasitica</i> is recognised by sera of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Fungal Biology</i> , 2014, 118, 630-639.	1.1	26
45	Isolation of fungal pathogens from eggs of the endangered sea turtle species <i>Chelonia mydas</i> in Ascension Island. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2017, 97, 661-667.	0.4	23
46	<i>Galleria melonella</i> as an experimental in vivo host model for the fish-pathogenic oomycete <i>Saprolegnia parasitica</i> . <i>Fungal Biology</i> , 2018, 122, 182-189.	1.1	16
47	Transcriptome analysis reveals immune pathways underlying resistance in the common carp <i>Cyprinus carpio</i> against the oomycete <i>Aphanomyces invadans</i> . <i>Genomics</i> , 2021, 113, 944-956.	1.3	16
48	A family of small tyrosine rich proteins is essential for oogonial and oospore cell wall development of the mycoparasitic oomycete <i>Pythium oligandrum</i> . <i>Fungal Biology</i> , 2013, 117, 163-172.	1.1	14
49	Development of eukaryotic zoospores within polycyclic aromatic hydrocarbon (PAH)-polluted environments: A set of behaviors that are relevant for bioremediation. <i>Science of the Total Environment</i> , 2015, 511, 767-776.	3.9	14
50	Specialized attachment structure of the fish pathogenic oomycete <i>Saprolegnia parasitica</i> . <i>PLoS ONE</i> , 2018, 13, e0190361.	1.1	14
51	New records and observations of macroalgae and associated pathogens from the Falkland Islands, Patagonia and Tierra del Fuego. <i>Botanica Marina</i> , 2016, 59, 105-121.	0.6	13
52	Animal pathogenic Oomycetes. <i>Fungal Biology</i> , 2014, 118, 525-526.	1.1	12
53	Functional characterization of a tyrosinase gene from the oomycete <i>Saprolegnia parasitica</i> by RNAi silencing. <i>Fungal Biology</i> , 2014, 118, 621-629.	1.1	12
54	Biological Concepts for the Control of Aquatic Zoosporic Diseases. <i>Trends in Parasitology</i> , 2019, 35, 571-582.	1.5	11

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55	Molecular insights into the mechanisms of susceptibility of <i>Labeo rohita</i> against oomycete <i>Aphanomyces invadans</i> . <i>Scientific Reports</i> , 2020, 10, 19531.	1.6	11
56	Marine benthic algal flora of Ascension Island, South Atlantic. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2017, 97, 681-688.	0.4	10
57	Reprint of: <i>Saprolegnia</i> strains isolated from river insects and amphipods are broad spectrum pathogens. <i>Fungal Biology</i> , 2014, 118, 579-590.	1.1	9
58	Mobilization of Pollutant-Degrading Bacteria by Eukaryotic Zoospores. <i>Environmental Science & Technology</i> , 2016, 50, 7633-7640.	4.6	9
59	<i>Exophiala angulospora</i> infection in hatchery-reared lumpfish (<i>Cyclopterus lumpus</i>) broodstock. <i>Journal of Fish Diseases</i> , 2019, 42, 335-343.	0.9	9
60	Morphological, genotypic and metabolomic signatures confirm interfamilial hybridization between the ubiquitous kelps <i>Macrocystis</i> (Arthrothamnaceae) and <i>Lessonia</i> (Lessoniaceae). <i>Scientific Reports</i> , 2020, 10, 8279.	1.6	9
61	The influence of depth and season on the benthic communities of a <i>Macrocystis pyrifera</i> forest in the Falkland Islands. <i>Polar Biology</i> , 2020, 43, 573-586.	0.5	9
62	Development of a 3D spheroid cell culture system from fish cell lines for in vitro infection studies: Evaluation with <i>Saprolegnia parasitica</i> . <i>Journal of Fish Diseases</i> , 2021, 44, 701-710.	0.9	9
63	NmPin from the marine thaumarchaeote <i>Nitrosopumilus maritimus</i> is an active membrane associated prolyl isomerase. <i>BMC Biology</i> , 2016, 14, 53.	1.7	8
64	Oomycete-Root Interactions. <i>Rhizosphere Biology</i> , 2019, , 83-103.	0.4	7
65	<i>Saprolegnia</i> infection after vaccination in Atlantic salmon is associated with differential expression of stress and immune genes in the host. <i>Fish and Shellfish Immunology</i> , 2020, 106, 1095-1105.	1.6	7
66	Evaluation of Potential Transfer of the Pathogen <i>Saprolegnia parasitica</i> between Farmed Salmonids and Wild Fish. <i>Pathogens</i> , 2021, 10, 926.	1.2	7
67	Transformation systems, gene silencing and gene editing technologies in oomycetes. <i>Fungal Biology Reviews</i> , 2021, , .	1.9	6
68	Nonagonal cadherins: A new protein family found within the Stramenopiles. <i>Gene</i> , 2016, 593, 64-75.	1.0	5
69	The chaperone Lhs1 contributes to the virulence of the fish-pathogenic oomycete <i>Aphanomyces invadans</i> . <i>Fungal Biology</i> , 2020, 124, 1024-1031.	1.1	5
70	Pathogenicity and Host Range of <i>Pythium kashmirensis</i> —A Soil-Borne Oomycete Recently Discovered in the UK. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 479.	1.5	5
71	Current practices and emerging possibilities for reducing the spread of oomycete pathogens in terrestrial and aquatic production systems in the European Union. <i>Fungal Biology Reviews</i> , 2022, 40, 19-36.	1.9	5
72	Phylogenetic and Functional Diversity of <i>Saprolegniales</i> and Fungi Isolated from Temperate Lakes in Northeast Germany. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 968.	1.5	5

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73	Managing scientific diving operations in a remote location: the Canadian high Arctic. <i>Diving and Hyperbaric Medicine</i> , 2013, 43, 239-43.	0.2	5
74	The fungal ecology of seabird nesting sites in the Falkland Islands indicates a niche for mycoparasites. <i>Fungal Ecology</i> , 2018, 36, 99-108.	0.7	3
75	Can Ulcerative Dermal Necrosis (UDN) in Atlantic salmon be attributed to ultraviolet radiation and secondary <i>Saprolegnia parasitica</i> infections?. <i>Fungal Biology Reviews</i> , 2022, 40, 70-75.	1.9	3