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The putative RxLR effector protein SpHtp1 from the fish pathogenic oomycete *Saprolegnia parasitica* is translocated into fish cells

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#	Paper	IF	Citations
49	Mutualistic Effectors: Architects of Symbiosis. 2011 , 295-326		2
48	Entry of Oomycete and Fungal Effectors into Host Cells. 2011 , 243-275		7
47	Entry of oomycete and fungal effectors into plant and animal host cells. <i>Cellular Microbiology</i> , 2011 , 13, 1839-48	3.9	79
46	A secreted effector protein of <i>Laccaria bicolor</i> is required for symbiosis development. <i>Current Biology</i> , 2011 , 21, 1197-203	6.3	312
45	SSU rRNA reveals major trends in oomycete evolution. <i>Fungal Diversity</i> , 2011 , 49, 93-100	17.6	51
44	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, 2096-101	11.5	53
43	Communication Between Plant, Ectomycorrhizal Fungi and Helper Bacteria. 2012 , 229-247		4
42	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	3.2	44
41	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	2.8	57
40	Secretion, delivery and function of oomycete effector proteins. <i>Current Opinion in Microbiology</i> , 2012 , 15, 685-91	7.9	67
39	Oomycete and fungal effector entry, a microbial Trojan horse. <i>New Phytologist</i> , 2012 , 193, 874-81	9.8	20
38	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	6.8	84
37	<i>Saprolegnia</i> strains isolated from river insects and amphipods are broad spectrum pathogens. <i>Fungal Biology</i> , 2013 , 117, 752-63	2.8	20
36	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, 163-72	2.8	11
35	Structural basis for interactions of the <i>Phytophthora sojae</i> RxLR effector Avh5 with phosphatidylinositol 3-phosphate and for host cell entry. <i>Molecular Plant-Microbe Interactions</i> , 2013 , 26, 330-44	3.6	49
34	In vitro translocation experiments with RxLR-reporter fusion proteins of Avr1b from <i>Phytophthora sojae</i> and AVR3a from <i>Phytophthora infestans</i> fail to demonstrate specific autonomous uptake in plant and animal cells. <i>Molecular Plant-Microbe Interactions</i> , 2013 , 26, 528-36	3.6	45
33	Who is Controlling whom within the Ectomycorrhizal Symbiosis: Insights from Genomic and Functional Analyses. 2013 , 501-512		3

32	Parental transfer of the antimicrobial protein LBP/BPI protects <i>Biomphalaria glabrata</i> eggs against oomycete infections. <i>PLoS Pathogens</i> , 2013 , 9, e1003792	7.6	44
31	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	6	130
30	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, 630-9	2.8	21
29	Role of pathogen-derived cell wall carbohydrates and prostaglandin E2 in immune response and suppression of fish immunity by the oomycete <i>Saprolegnia parasitica</i> . <i>Infection and Immunity</i> , 2014 , 82, 4518-29	3.7	41
28	Reprint of: <i>Saprolegnia</i> strains isolated from river insects and amphipods are broad spectrum pathogens. <i>Fungal Biology</i> , 2014 , 118, 579-90	2.8	9
27	Functional characterization of a tyrosinase gene from the oomycete <i>Saprolegnia parasitica</i> by RNAi silencing. <i>Fungal Biology</i> , 2014 , 118, 621-9	2.8	8
26	Genome analyses of the sunflower pathogen <i>Plasmopara halstedii</i> provide insights into effector evolution in downy mildews and <i>Phytophthora</i> . <i>BMC Genomics</i> , 2015 , 16, 741	4.5	78
25	Analysis of <i>Saprolegnia parasitica</i> Transcriptome following Treatment with Copper Sulfate. <i>PLoS ONE</i> , 2016 , 11, e0147445	3.7	7
24	In vitro modulation of <i>Drimys winteri</i> bark extract and the active compound polygodial on <i>Salmo salar</i> immune genes after exposure to <i>Saprolegnia parasitica</i> . <i>Fish and Shellfish Immunology</i> , 2016 , 59, 103-108	4.3	3
23	<i>Saprolegnia diclina</i> IIIA and <i>S. parasitica</i> employ different infection strategies when colonizing eggs of Atlantic salmon, <i>Salmo salar</i> L. <i>Journal of Fish Diseases</i> , 2016 , 39, 343-52	2.6	15
22	Genomic, Network, and Phylogenetic Analysis of the Oomycete Effector Arsenal. <i>MSphere</i> , 2017 , 2,	5	41
21	Comparative transcriptome analysis of the hepatopancreas of <i>Eriocheir sinensis</i> following oral gavage with enrofloxacin. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017 , 74, 435-444	2.4	4
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19	Comparative transcriptome analysis of <i>Anguilla japonica</i> livers following exposure to methylene blue. <i>Aquaculture Research</i> , 2018 , 49, 1232-1241	1.9	6
18	Aquatic Parasite Cultures and Their Applications. <i>Trends in Parasitology</i> , 2018 , 34, 1082-1096	6.4	7
17	Specialized attachment structure of the fish pathogenic oomycete <i>Saprolegnia parasitica</i> . <i>PLoS ONE</i> , 2018 , 13, e0190361	3.7	8
16	<i>Saprolegnia</i> molecular phylogeny among farmed teleosts in Nova Scotia, Canada. <i>Journal of Fish Diseases</i> , 2019 , 42, 1745-1760	2.6	7
15	Biological Concepts for the Control of Aquatic Zoosporic Diseases. <i>Trends in Parasitology</i> , 2019 , 35, 571-582	5.8	8

14	Silicon influences the localization and expression of Phytophthora sojae effectors in interaction with soybean. <i>Journal of Experimental Botany</i> , 2020 , 71, 6844-6855	7	3
13	Development of a 3D spheroid cell culture system from fish cell lines for in vitro infection studies: Evaluation with Saprolegnia parasitica. <i>Journal of Fish Diseases</i> , 2021 , 44, 701-710	2.6	2
12	Identification and expression analysis of Ricin B-like lectin genes in the fish pathogen Saprolegnia parasitica. <i>Aquaculture International</i> , 2021 , 29, 1853-1868	2.6	
11	Plant Infection by Biotrophic Fungal and Oomycete Pathogens. <i>Signaling and Communication in Plants</i> , 2012 , 183-212	1	6
10	A molecular insight into algal-oomycete warfare: cDNA analysis of Ectocarpus siliculosus infected with the basal oomycete Eurychasma dicksonii. <i>PLoS ONE</i> , 2011 , 6, e24500	3.7	30
9	Transcriptome differences between enrofloxacin-resistant and enrofloxacin-susceptible strains of Aeromonas hydrophila. <i>PLoS ONE</i> , 2017 , 12, e0179549	3.7	8
8	Pathogenic fungi affecting fishes through their virulence molecules. <i>Aquaculture</i> , 2022 , 548, 737553	4.4	1
7	Isolation, molecular identification, and pathological lesions of spp. isolated from common carp, in floating cages in Mosul, Iraq. <i>Veterinary World</i> , 2020 , 13, 2759-2764	1.7	2
6	Efficacy of acriflavin chloride and Melaleuca alternifolia extract against Saprolegnia parasitica infection in Pterophyllum scalare. <i>Regulatory Mechanisms in Biosystems</i> , 2021 , 12, 472-478	0.7	
5	New Approaches for Controlling Saprolegnia parasitica, the Causal Agent of a Devastating Fish Disease. <i>Tropical Life Sciences Research</i> , 2014 , 25, 101-9	1.1	8
4	Temperature response and salt tolerance of the opportunistic pathogen Saprolegnia parasitica: Implications for the broad whitefish subsistence fishery. <i>Arctic, Antarctic, and Alpine Research</i> , 2021 , 53, 271-285	1.8	0
3	Bioactive compounds in fluid propolis preparations inhibit different life stages of pathogenic oomycetes Aphanomyces astaci and Saprolegnia parasitica. <i>Aquaculture</i> , 2022 , 552, 737982	4.4	
2	Anti-oomycete Activity of Chlorhexidine Gluconate: Molecular Docking and in vitro Studies. <i>Frontiers in Veterinary Science</i> , 2021 , 9, 684441	3.1	0
1	Characterizing the Mechanisms of Metalaxyl, Bronopol and Copper Sulfate against Saprolegnia parasitica Using Modern Transcriptomics. <i>Frontiers in Veterinary Science</i> , 2022 , 10, 874331	3.1	0