

# Stephan Wawra

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

3,265  
citations

331670

21  
h-index

552781

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3307  
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.	27.8	1,405
2	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.	9.6	391
3	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.	3.5	221
4	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.	6.6	133
5	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.	6.6	123
6	The fungal-specific Î²-glucan-binding lectin FGB1 alters cell-wall composition and suppresses glucan-triggered immunity in plants. <i>Nature Communications</i> , 2016, 7, 13188.	12.8	117
7	Towards understanding the virulence functions of RXLR effectors of the oomycete plant pathogen <i>Phytophthora infestans</i> . <i>Journal of Experimental Botany</i> , 2009, 60, 1133-1140.	4.8	92
8	Secretion, delivery and function of oomycete effector proteins. <i>Current Opinion in Microbiology</i> , 2012, 15, 685-691.	5.1	90
9	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, 528-536.	2.6	87
10	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.	7.1	79
11	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.	12.8	65
12	<i>Serendipita indica</i> E5 <sup>NT</sup> modulates extracellular nucleotide levels in the plant apoplast and affects fungal colonization. <i>EMBO Reports</i> , 2019, 20, .	4.5	59
13	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.	1.8	51
14	Plant species-specific recognition of long and short Î²-linked glucans is mediated by different receptor systems. <i>Plant Journal</i> , 2020, 102, 1142-1156.	5.7	50
15	FGB1 and WSC3 are plant-induced Î²-glucan-binding fungal lectins with different functions. <i>New Phytologist</i> , 2019, 222, 1493-1506.	7.3	43
16	Unraveling the sugar code: the role of microbial extracellular glycans in plant-microbe interactions. <i>Journal of Experimental Botany</i> , 2021, 72, 15-35.	4.8	37
17	A secreted fungal histidine- and alanine-rich protein regulates metal ion homeostasis and oxidative stress. <i>New Phytologist</i> , 2020, 227, 1174-1188.	7.3	35
18	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.	3.4	28

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19	Cell entry of a host-targeting protein of oomycetes requires gp96. <i>Nature Communications</i> , 2018, 9, 2347.	12.8	28
20	Auto-aggregation in zoospores of <i>Phytophthora infestans</i> : the cooperative roles of bioconvection and chemotaxis. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140017.	3.4	27
21	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.	2.5	26
22	The fungal root endophyte <i>Serendipita vermifera</i> displays inter-kingdom synergistic beneficial effects with the microbiota in <i>Arabidopsis thaliana</i> and barley. <i>ISME Journal</i> , 2022, 16, 876-889.	9.8	22
23	Fungi hijack a ubiquitous plant apoplastic endoglucanase to release a ROS scavenging $\beta$ -glucan decasaccharide to subvert immune responses. <i>Plant Cell</i> , 2022, 34, 2765-2784.	6.6	20
24	Isothermal Calorimetry as a Tool To Investigate Slow Conformational Changes in Proteins and Peptides. <i>Analytical Chemistry</i> , 2006, 78, 4517-4523.	6.5	11
25	Polypeptide binding proteins: what remains to be discovered?. <i>Molecular Microbiology</i> , 2006, 61, 1388-1396.	2.5	10
26	AmideCis-Translomerization in Peptides and Proteins. , 2006, , 167-193.		7
27	Conformational Consequences of Regio- and Stereoselective Disulfide Bridge Oxidation in a Cyclic Peptide. <i>ChemBioChem</i> , 2008, 9, 46-49.	2.6	4