

# Benjamin Petre

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3929874/publications.pdf>

Version: 2024-02-01

30  
papers

3,035  
citations

279798

23  
h-index

454955

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

3874  
citing authors

#	ARTICLE	IF	CITATIONS
1	2000-2019: Twenty Years of Highly Influential Publications in Molecular Plant Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 748-754.	2.6	3
2	Host-interactor screens of <i>Phytophthora infestans</i> RXLR proteins reveal vesicle trafficking as a major effector-targeted process. <i>Plant Cell</i> , 2021, 33, 1447-1471.	6.6	46
3	Host Adaptation and Virulence in Heteroecious Rust Fungi. <i>Annual Review of Phytopathology</i> , 2021, 59, 403-422.	7.8	30
4	Toward the Discovery of Host-Defense Peptides in Plants. <i>Frontiers in Immunology</i> , 2020, 11, 1825.	4.8	8
5	Host-specialized transcriptome of plant-associated organisms. <i>Current Opinion in Plant Biology</i> , 2020, 56, 81-88.	7.1	26
6	Structural genomics applied to the rust fungus <i>Melampsora larici-populina</i> reveals two candidate effector proteins adopting cystine knot and NTF2-like protein folds. <i>Scientific Reports</i> , 2019, 9, 18084.	3.3	19
7	Show me the way: rust effector targets in heterologous plant systems. <i>Current Opinion in Microbiology</i> , 2018, 46, 19-25.	5.1	49
8	The Rust Fungus <i>Melampsora larici-populina</i> Expresses a Conserved Genetic Program and Distinct Sets of Secreted Protein Genes During Infection of Its Two Host Plants, Larch and Poplar. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 695-706.	2.6	42
9	Infection assays in <i>Arabidopsis</i> reveal candidate effectors from the poplar rust fungus that promote susceptibility to bacteria and oomycete pathogens. <i>Molecular Plant Pathology</i> , 2018, 19, 191-200.	4.2	84
10	A rust fungal effector binds plant DNA and modulates transcription. <i>Scientific Reports</i> , 2018, 8, 14718.	3.3	42
11	LOCALIZER: subcellular localization prediction of both plant and effector proteins in the plant cell. <i>Scientific Reports</i> , 2017, 7, 44598.	3.3	340
12	Protein-Protein Interaction Assays with Effector-GFP Fusions in <i>Nicotiana benthamiana</i> . <i>Methods in Molecular Biology</i> , 2017, 1659, 85-98.	0.9	8
13	An effector of the Irish potato famine pathogen antagonizes a host autophagy cargo receptor. <i>ELife</i> , 2016, 5, .	6.0	189
14	Heterologous Expression Screens in <i>Nicotiana benthamiana</i> Identify a Candidate Effector of the Wheat Yellow Rust Pathogen that Associates with Processing Bodies. <i>PLoS ONE</i> , 2016, 11, e0149035.	2.5	99
15	The Poplar Rust-Induced Secreted Protein (RISP) Inhibits the Growth of the Leaf Rust Pathogen <i>Melampsora larici-populina</i> and Triggers Cell Culture Alkalinisation. <i>Frontiers in Plant Science</i> , 2016, 7, 97.	3.6	11
16	Rust fungal effectors mimic host transit peptides to translocate into chloroplasts. <i>Cellular Microbiology</i> , 2016, 18, 453-465.	2.1	90
17	Emerging oomycete threats to plants and animals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150459.	4.0	114
18	Nine things to know about elicitors. <i>New Phytologist</i> , 2016, 212, 888-895.	7.3	84

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19	Phytophthora infestans RXLR-WY Effector AVR3a Associates with Dynamin-Related Protein 2 Required for Endocytosis of the Plant Pattern Recognition Receptor FLS2. PLoS ONE, 2015, 10, e0137071.	2.5	78
20	Candidate Effector Proteins of the Rust Pathogen <i>Melampsora larici-populina</i> Target Diverse Plant Cell Compartments. Molecular Plant-Microbe Interactions, 2015, 28, 689-700.	2.6	172
21	The Top 10 oomycete pathogens in molecular plant pathology. Molecular Plant Pathology, 2015, 16, 413-434.	4.2	695
22	How Do Filamentous Pathogens Deliver Effector Proteins into Plant Cells?. PLoS Biology, 2014, 12, e1001801.	5.6	232
23	Effector proteins of rust fungi. Frontiers in Plant Science, 2014, 5, 416.	3.6	110
24	Genome analysis of poplar LRR-RLP gene clusters reveals RISP, a defense-related gene coding a candidate endogenous peptide elicitor. Frontiers in Plant Science, 2014, 5, 111.	3.6	30
25	The poplar Phi class glutathione transferase: expression, activity and structure of GSTF1. Frontiers in Plant Science, 2014, 5, 712.	3.6	33
26	RNA-Seq of Early-Infected Poplar Leaves by the Rust Pathogen <i>Melampsora larici-populina</i> Uncovers PtSultr3;5, a Fungal-Induced Host Sulfate Transporter. PLoS ONE, 2012, 7, e44408.	2.5	57
27	A Comprehensive Analysis of Genes Encoding Small Secreted Proteins Identifies Candidate Effectors in <i>Melampsora larici-populina</i> (Poplar Leaf Rust). Molecular Plant-Microbe Interactions, 2012, 25, 279-293.	2.6	150
28	Genome-wide analysis of eukaryote thaumatin-like proteins (TLPs) with an emphasis on poplar. BMC Plant Biology, 2011, 11, 33.	3.6	111
29	The Poplar-Poplar Rust Interaction: Insights from Genomics and Transcriptomics. Journal of Pathogens, 2011, 2011, 1-11.	1.4	66
30	A Short Review of Anti-Rust Fungi Peptides: Diversity and Bioassays. Frontiers in Agronomy, 0, 4, .	3.3	1