

# Stephan Dorey

## List of Publications by Year in descending order

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34  
papers

2,745  
citations

257101

24  
h-index

377514

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g-index

36  
all docs

36  
docs citations

36  
times ranked

3281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhamnolipid Biosurfactants as New Players in Animal and Plant Defense against Microbes. <i>International Journal of Molecular Sciences</i> , 2010, 11, 5095-5108.	1.8	193
2	Bacterial rhamnolipids are novel MAMPs conferring resistance to <i>Botrytis cinerea</i> in grapevine. <i>Plant, Cell and Environment</i> , 2009, 32, 178-193.	2.8	192
3	Deciphering the Role of Phytoalexins in Plant-Microorganism Interactions and Human Health. <i>Molecules</i> , 2014, 19, 18033-18056.	1.7	170
4	The grapevine flagellin receptor VvFLS2 differentially recognizes flagellin-derived epitopes from the endophytic growth-promoting bacterium <i>Burkholderia phytofirmans</i> and plant pathogenic bacteria. <i>New Phytologist</i> , 2014, 201, 1371-1384.	3.5	147
5	Comparative analysis of defence responses induced by the endophytic plant growth-promoting rhizobacterium <i>Burkholderia phytofirmans</i> strain PsJN and the non-host bacterium <i>Pseudomonas syringae</i> pv. <i>pisii</i> in grapevine cell suspensions. <i>Journal of Experimental Botany</i> , 2011, 62, 595-603.	2.4	146
6	Bacterial medium-chain 3-hydroxy fatty acid metabolites trigger immunity in <i>Arabidopsis</i> plants. <i>Science</i> , 2019, 364, 178-181.	6.0	145
7	Expression of RPS4 in tobacco induces an AvrRps4-independent HR that requires EDS1, SGT1 and HSP90. <i>Plant Journal</i> , 2004, 40, 213-224.	2.8	135
8	Uncovering plant-pathogen crosstalk through apoplastic proteomic studies. <i>Frontiers in Plant Science</i> , 2014, 5, 249.	1.7	135
9	Hydrogen Peroxide from the Oxidative Burst Is Neither Necessary Nor Sufficient for Hypersensitive Cell Death Induction, Phenylalanine Ammonia Lyase Stimulation, Salicylic Acid Accumulation, or Scopoletin Consumption in Cultured Tobacco Cells Treated with Elicitor. <i>Plant Physiology</i> , 1999, 121, 163-172.	2.3	133
10	Cyclic lipopeptides from <i>Bacillus subtilis</i> activate distinct patterns of defence responses in grapevine. <i>Molecular Plant Pathology</i> , 2015, 16, 177-187.	2.0	133
11	Spatial and Temporal Induction of Cell Death, Defense Genes, and Accumulation of Salicylic Acid in Tobacco Leaves Reacting Hypersensitively to a Fungal Glycoprotein Elicitor. <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 646-655.	1.4	126
12	Elicitors as alternative strategy to pesticides in grapevine? Current knowledge on their mode of action from controlled conditions to vineyard. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4837-4846.	2.7	121
13	Perception of pathogenic or beneficial bacteria and their evasion of host immunity: pattern recognition receptors in the frontline. <i>Frontiers in Plant Science</i> , 2015, 6, 219.	1.7	120
14	Rhamnolipids Elicit Defense Responses and Induce Disease Resistance against Biotrophic, Hemibiotrophic, and Necrotrophic Pathogens That Require Different Signaling Pathways in <i>Arabidopsis</i> and Highlight a Central Role for Salicylic Acid. <i>Plant Physiology</i> , 2012, 160, 1630-1641.	2.3	115
15	Tobacco Class I and II Catalases Are Differentially Expressed During Elicitor-Induced Hypersensitive Cell Death and Localized Acquired Resistance. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 1102-1109.	1.4	101
16	Biosurfactants in Plant Protection Against Diseases: Rhamnolipids and Lipopeptides Case Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1014.	2.0	92
17	Apoplastic invasion patterns triggering plant immunity: plasma membrane sensing at the frontline. <i>Molecular Plant Pathology</i> , 2019, 20, 1602-1616.	2.0	73
18	Modifications of sphingolipid content affect tolerance to hemibiotrophic and necrotrophic pathogens by modulating plant defense responses in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, pp.01126.2015.	2.3	61

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19	Recognition of Elicitors in Grapevine: From MAMP and DAMP Perception to Induced Resistance. <i>Frontiers in Plant Science</i> , 2019, 10, 1117.	1.7	55
20	Plant polysaccharides initiate underground crosstalk with bacilli by inducing synthesis of the immunogenic lipopeptide surfactin. <i>Environmental Microbiology Reports</i> , 2015, 7, 570-582.	1.0	54
21	Relationship Between Localized Acquired Resistance (LAR) and the Hypersensitive Response (HR): HR Is Necessary for LAR to Occur and Salicylic Acid Is Not Sufficient to Trigger LAR. <i>Molecular Plant-Microbe Interactions</i> , 1999, 12, 655-662.	1.4	47
22	Rhamnolipids From <i>Pseudomonas aeruginosa</i> Are Elicitors Triggering <i>Brassica napus</i> Protection Against <i>Botrytis cinerea</i> Without Physiological Disorders. <i>Frontiers in Plant Science</i> , 2018, 9, 1170.	1.7	45
23	A Pharmacological Approach to Test the Diffusible Signal Activity of Reactive Oxygen Intermediates in Elicitor-Treated Tobacco Leaves. <i>Plant and Cell Physiology</i> , 2002, 43, 91-98.	1.5	28
24	Characterization of a F-box gene up-regulated by phytohormones and upon biotic and abiotic stresses in grapevine. <i>Molecular Biology Reports</i> , 2011, 38, 3327-3337.	1.0	27
25	Synthetic Mono-Rhamnolipids Display Direct Antifungal Effects and Trigger an Innate Immune Response in Tomato against <i>Botrytis Cinerea</i> . <i>Molecules</i> , 2020, 25, 3108.	1.7	27
26	Synthetic Rhamnolipid Bolaforms trigger an innate immune response in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2018, 8, 8534.	1.6	25
27	Bacterial rhamnolipids and their 3-hydroxyalkanoate precursors activate <i>Arabidopsis</i> innate immunity through two independent mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
28	Semipurified Rhamnolipid Mixes Protect <i>Brassica napus</i> Against <i>Leptosphaeria maculans</i> Early Infections. <i>Phytopathology</i> , 2020, 110, 834-842.	1.1	21
29	Differential Interaction of Synthetic Glycolipids with Biomimetic Plasma Membrane Lipids Correlates with the Plant Biological Response. <i>Langmuir</i> , 2017, 33, 9979-9987.	1.6	19
30	Total synthesis, isolation, surfactant properties, and biological evaluation of ananatosides and related macrolactone-containing rhamnolipids. <i>Chemical Science</i> , 2021, 12, 7533-7546.	3.7	12
31	Deciphering the role of plant plasma membrane lipids in response to invasion patterns: how could biology and biophysics help?. <i>Journal of Experimental Botany</i> , 2022, 73, 2765-2784.	2.4	8
32	A stereocontrolled synthesis of the hydrophobic moiety of rhamnolipids. <i>Tetrahedron Letters</i> , 2015, 56, 1159-1161.	0.7	7
33	Draft Genome Sequence of Plant Growth-Promoting <i>Burkholderia</i> sp. Strain BE12, Isolated from the Rhizosphere of Maize. <i>Genome Announcements</i> , 2018, 6, .	0.8	4
34	Recycling Mitsunobu coupling: a shortcut for troublesome esterifications. <i>Tetrahedron</i> , 2016, 72, 7488-7495.	1.0	1