

# Michel Ponchet

## List of Publications by Year in descending order

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46  
papers

2,465  
citations

186265

28  
h-index

243625

44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2384  
citing authors

#	ARTICLE	IF	CITATIONS
1	From elicitors to lipid-transfer proteins: a new insight in cell signalling involved in plant defence mechanisms. <i>Trends in Plant Science</i> , 2002, 7, 293-296.	8.8	297
2	Pathogen-Induced Elicitor Production in Transgenic Tobacco Generates a Hypersensitive Response and Nonspecific Disease Resistance. <i>Plant Cell</i> , 1999, 11, 223-235.	6.6	154
3	Acquired resistance triggered by elicitors in tobacco and other plants. <i>European Journal of Plant Pathology</i> , 1996, 102, 181-192.	1.7	137
4	Oligandrin. A Proteinaceous Molecule Produced by the Mycoparasite <i>Pythium oligandrum</i> Induces Resistance to <i>Phytophthora parasitica</i> Infection in Tomato Plants. <i>Plant Physiology</i> , 2000, 124, 379-396.	4.8	122
5	Elicitors, Proteinaceous Elicitors of Plant Defense, Are a New Class of Sterol Carrier Proteins. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 133-139.	2.1	115
6	Modulation of the Biological Activity of a Tobacco LTP1 by Lipid Complexation. <i>Molecular Biology of the Cell</i> , 2004, 15, 5047-5052.	2.1	115
7	Mediation of Elicitor Activity on Tobacco Is Assumed by Elicitor-Sterol Complexes. <i>Molecular Biology of the Cell</i> , 2001, 12, 2825-2834.	2.1	103
8	The fungal elicitor cryptogein is a sterol carrier protein. <i>FEBS Letters</i> , 1997, 416, 190-192.	2.8	85
9	Imbalanced Lignin Biosynthesis Promotes the Sexual Reproduction of Homothallic Oomycete Pathogens. <i>PLoS Pathogens</i> , 2009, 5, e1000264.	4.7	80
10	Characterization of border species among Pythiaceae: several <i>Pythium</i> isolates produce elicitors, typical proteins from <i>Phytophthora</i> spp.. <i>Mycological Research</i> , 1997, 101, 1459-1468.	2.5	76
11	Characterization of the Cryptogein Binding Sites on Plant Plasma Membranes. <i>Journal of Biological Chemistry</i> , 1999, 274, 34699-34705.	3.4	76
12	Hydroxycinnamoyl acid amides and aromatic amines in the inflorescences of some araceae species. <i>Phytochemistry</i> , 1980, 21, 2865-2869.	2.9	74
13	The <i>Phytophthora parasitica</i> RXLR effector Penetration-Specific Effector 1 favours <i>Arabidopsis thaliana</i> infection by interfering with auxin physiology. <i>New Phytologist</i> , 2013, 199, 476-489.	7.3	69
14	The combined action of 9 lipoxygenase and galactolipase is sufficient to bring about programmed cell death during tobacco hypersensitive response. <i>Plant, Cell and Environment</i> , 2005, 28, 1367-1378.	5.7	68
15	Elicitors trap and transfer sterols from micelles, liposomes and plant plasma membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1419, 335-342.	2.6	64
16	Parental Transfer of the Antimicrobial Protein LBP/BPI Protects <i>Biomphalaria glabrata</i> Eggs against Oomycete Infections. <i>PLoS Pathogens</i> , 2013, 9, e1003792.	4.7	61
17	A Tobacco S-like RNase Inhibits Hyphal Elongation of Plant Pathogens. <i>Molecular Plant-Microbe Interactions</i> , 2002, 15, 243-250.	2.6	59
18	Specific Adduction of Plant Lipid Transfer Protein by an Allene Oxide Generated by 9-Lipoxygenase and Allene Oxide Synthase. <i>Journal of Biological Chemistry</i> , 2006, 281, 38981-38988.	3.4	59

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19	Lipoxygenase-mediated production of fatty acid hydroperoxides is a specific signature of the hypersensitive reaction in plants. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 633-639.	5.8	56
20	Comparison of Binding Properties and Early Biological Effects of Elicitins in Tobacco Cells. <i>Plant Physiology</i> , 1998, 118, 1317-1326.	4.8	55
21	Strategies of attack and defense in plant-oomycete interactions, accentuated for <i>Phytophthora parasitica</i> Dastur (syn. <i>P. Nicotianae</i> Breda de Haan). <i>Journal of Plant Physiology</i> , 2008, 165, 83-94.	3.5	52
22	The 1.45 Å resolution structure of the cryptogein-cholesterol complex: a close-up view of a sterol carrier protein (SCP) active site. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1442-1447.	2.5	51
23	Silencing of acidic pathogenesis-related PR-1 genes increases extracellular (1-3)-glucanase activity at the onset of tobacco defence reactions. <i>Journal of Experimental Botany</i> , 2008, 59, 1225-1239.	4.8	48
24	Probing the Hydrophobic Cavity of Lipid Transfer Protein from <i>Nicotiana glauca</i> through Xenon-Based NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2004, 126, 15738-15746.	13.7	45
25	Dianthramides (N-benzoyl and N-paracoumarylanthranilic acid derivatives) from elicited tissues of <i>Dianthus caryophyllus</i> . <i>Phytochemistry</i> , 1988, 27, 725-730.	2.9	39
26	Solution structure of a tobacco lipid transfer protein exhibiting new biophysical and biological features. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 356-367.	2.6	37
27	Separation and quantification of basic hydroxycinnamic amides and hydroxycinnamic acids by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1982, 240, 397-404.	3.7	33
28	Dianthramides A and B, two N-benzoylanthranilic acid derivatives from elicited tissues of <i>Dianthus caryophyllus</i> . <i>Phytochemistry</i> , 1984, 23, 1901-1903.	2.9	33
29	Transcriptome dynamics of <i>Arabidopsis thaliana</i> root penetration by the oomycete pathogen <i>Phytophthora parasitica</i> . <i>BMC Genomics</i> , 2014, 15, 538.	2.8	31
30	Sesquiterpene cyclase is not a determining factor for elicitor- and pathogen-induced capsidiol accumulation in tobacco. <i>Planta</i> , 1998, 205, 467-476.	3.2	27
31	(Homo)glutathione Depletion Modulates Host Gene Expression during the Symbiotic Interaction between <i>Medicago truncatula</i> and <i>Sinorhizobium meliloti</i> . <i>Plant Physiology</i> , 2009, 151, 1186-1196.	4.8	25
32	Construction of Cryptogein Mutants, a Proteinaceous Elicitor from <i>Phytophthora</i> , with Altered Abilities To Induce a Defense Reaction in Tobacco Cells. <i>Biochemistry</i> , 2005, 44, 6565-6572.	2.5	18
33	Characterization of PPMUCL1/2/3, Three Members of a New Oomycete-specific Mucin-like Protein Family Residing in <i>Phytophthora parasitica</i> Biofilm. <i>Protist</i> , 2014, 165, 275-292.	1.5	16
34	Ecosystem Screening Approach for Pathogen-Associated Microorganisms Affecting Host Disease. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6069-6075.	3.1	14
35	Biology and ecology of biofilms formed by a plant pathogen <i>Phytophthora parasitica</i> : From biochemical ecology to ecological engineering. <i>Procedia Environmental Sciences</i> , 2011, 9, 178-182.	1.4	12
36	Pathogen-Induced Elicitin Production in Transgenic Tobacco Generates a Hypersensitive Response and Nonspecific Disease Resistance. <i>Plant Cell</i> , 1999, 11, 223.	6.6	10

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37	Structure of sylvaticin, a new $\beta$ -elicitin-like protein from <i>Pythium sylvaticum</i> . Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 1102-1108.	2.5	10
38	Accessibility of tobacco lipid transfer protein cavity revealed by 15 N NMR relaxation studies and molecular dynamics simulations. Proteins: Structure, Function and Bioinformatics, 2006, 64, 124-132.	2.6	9
39	Crystallization and preliminary X-ray studies of oligandrins, a sterol-carrier elicitor from <i>Pythium oligandrum</i> . Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 1498-1500.	2.5	8
40	Apparition de substances de type phénolamide lors de l'interaction <i>Dianthus caryophyllus</i> L. var. "Scania" et "Phytophthora parasitica" Dastur. Agronomy for Sustainable Development, 1982, 2, 37-44.	0.8	8
41	Separation and quantitative assay of three pathogenesis-related (b) proteins from tobacco mosaic virus hypersensitive <i>Nicotiana glauca</i> by reversed-phase high-performance liquid chromatography. Journal of Chromatography A, 1985, 318, 417-426.	3.7	7
42	Characterization of sterol uptake in leaf tissues of sugar beet. Planta, 2003, 218, 288-299.	3.2	3
43	Purification, crystallization and preliminary X-ray studies of sylvaticin, an elicitin-like protein from <i>Pythium sylvaticum</i> . Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 362-364.	2.5	2
44	Dosage immunoenzymatique du virus de la mosaïque du tabac dans différents tissus de tabac cultivés "in vitro". Agronomy for Sustainable Development, 1983, 3, 983-988.	0.8	1
45	The Millardetian Conjunction in the Modern World. , 0, , .		1
46	Multiplication quantitative <i>in vitro</i> , par prolifération de bourgeons, de deux espèces de <i>Serapias</i> : <i>S. olbia</i> Verguin et <i>S. pseudocordigera</i> Morie. (Orchidaceae). Bulletin De La Société Botanique De France Lettres Botaniques, 1985, 132, 289-300.	0.1	0