

# Mickael Bourge

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

2,616  
citations

279798

23  
h-index

233421

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4720  
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of <i>Theobroma cacao</i> . <i>Nature Genetics</i> , 2011, 43, 101-108.	21.4	656
2	Plant Peptides Govern Terminal Differentiation of Bacteria in Symbiosis. <i>Science</i> , 2010, 327, 1122-1126.	12.6	525
3	Evidence for karyoplasmic homeostasis during endoreduplication and a ploidy-dependent increase in gene transcription during tomato fruit growth. <i>Development (Cambridge)</i> , 2012, 139, 3817-3826.	2.5	106
4	Hyaluronic acid-bearing lipoplexes: Physico-chemical characterization and in vitro targeting of the CD44 receptor. <i>Journal of Controlled Release</i> , 2012, 162, 545-552.	9.9	95
5	Light signaling controls nuclear architecture reorganization during seedling establishment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2836-44.	7.1	90
6	The GCP3-Interacting Proteins GIP1 and GIP2 Are Required for $\beta$ -Tubulin Complex Protein Localization, Spindle Integrity, and Chromosomal Stability. <i>Plant Cell</i> , 2012, 24, 1171-1187.	6.6	89
7	The Importance of Cardiolipin Synthase for Mitochondrial Ultrastructure, Respiratory Function, Plant Development, and Stress Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 4195-4208.	6.6	79
8	<i>Bradyrhizobium</i> BclA Is a Peptide Transporter Required for Bacterial Differentiation in Symbiosis with <i>Aeschynomene</i> Legumes. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1155-1166.	2.6	74
9	Small genomes dominate in plants growing on serpentine soils in West Balkans, an exhaustive study of 8 habitats covering 308 taxa. <i>Plant and Soil</i> , 2013, 373, 427-453.	3.7	73
10	Defining Mononuclear Phagocyte Subset Homology Across Several Distant Warm-Blooded Vertebrates Through Comparative Transcriptomics. <i>Frontiers in Immunology</i> , 2015, 6, 299.	4.8	70
11	Pig Skin Includes Dendritic Cell Subsets Transcriptomically Related to Human CD1a and CD14 Dendritic Cells Presenting Different Migrating Behaviors and T Cell Activation Capacities. <i>Journal of Immunology</i> , 2014, 193, 5883-5893.	0.8	50
12	Porcine Reproductive and Respiratory Syndrome Virus Type 1.3 Lena Triggers Conventional Dendritic Cells 1 Activation and T Helper 1 Immune Response Without Infecting Dendritic Cells. <i>Frontiers in Immunology</i> , 2018, 9, 2299.	4.8	49
13	The Double-Stranded RNA Bluetongue Virus Induces Type I Interferon in Plasmacytoid Dendritic Cells via a MYD88-Dependent TLR7/8-Independent Signaling Pathway. <i>Journal of Virology</i> , 2012, 86, 5817-5828.	3.4	45
14	Flow cytometry as tool in plant sciences, with emphasis on genome size and ploidy level assessment. <i>Genetics &amp; Applications</i> , 2018, 2, 1.	0.1	42
15	Multiple Functions of Kip-Related Protein5 Connect Endoreduplication and Cell Elongation. <i>Plant Physiology</i> , 2013, 161, 1694-1705.	4.8	41
16	Transcriptome profiling of sorted endoreduplicated nuclei from tomato fruits: how the global shift in expression ascribed to $\text{DNA}$ ploidy influences $\text{RNA}$ data normalization and interpretation. <i>Plant Journal</i> , 2018, 93, 387-398.	5.7	39
17	Genetics of nodulation in <i>Aeschynomene evenia</i> uncovers mechanisms of the rhizobium-legume symbiosis. <i>Nature Communications</i> , 2021, 12, 829.	12.8	38
18	Chloroplast Dysfunction Causes Multiple Defects in Cell Cycle Progression in the <i>Arabidopsis</i> <i>crumpled leaf</i> Mutant. <i>Plant Physiology</i> , 2014, 166, 152-167.	4.8	37

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19	Sphingolipids involvement in plant endomembrane differentiation: the BY2 case. <i>Plant Journal</i> , 2011, 65, 958-971.	5.7	34
20	When sexual meets apomict: genome size, ploidy level and reproductive mode variation of <i>Sorbus aria</i> s.l. and <i>S. austriaca</i> (Rosaceae) in Bosnia and Herzegovina. <i>Annals of Botany</i> , 2015, 116, 301-312.	2.9	30
21	Geographical gradients in the genome size variation of wild coffee trees ( <i>Coffea</i> ) native to Africa and Indian Ocean islands. <i>Tree Genetics and Genomes</i> , 2012, 8, 1345-1358.	1.6	26
22	Function of the Plant DNA Polymerase Epsilon in Replicative Stress Sensing, a Genetic Analysis. <i>Plant Physiology</i> , 2017, 173, 1735-1749.	4.8	26
23	A SWI/SNF Chromatin Remodelling Protein Controls Cytokinin Production through the Regulation of Chromatin Architecture. <i>PLoS ONE</i> , 2015, 10, e0138276.	2.5	25
24	Macrophage-B Cell Interactions in the Inverted Porcine Lymph Node and Their Response to Porcine Reproductive and Respiratory Syndrome Virus. <i>Frontiers in Immunology</i> , 2019, 10, 953.	4.8	25
25	Evidence for a Role of <i>Arabidopsis</i> CDT1 Proteins in Gametophyte Development and Maintenance of Genome Integrity. <i>Plant Cell</i> , 2012, 24, 2779-2791.	6.6	24
26	GeBP/GPL Transcription Factors Regulate a Subset of <i>CPR5</i> -Dependent Processes. <i>Plant Physiology</i> , 2011, 157, 1232-1242.	4.8	23
27	Evolutionary trends in Iridaceae: new cytogenetic findings from the New World. <i>Botanical Journal of the Linnean Society</i> , 2015, 177, 27-49.	1.6	23
28	DNA Remodeling by Strict Partial Endoreplication in Orchids, an Original Process in the Plant Kingdom. <i>Genome Biology and Evolution</i> , 2017, 9, 1051-1071.	2.5	23
29	Role of the Polymerase $\mu$ sub-unit DPB2 in DNA replication, cell cycle regulation and DNA damage response in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2016, 44, gkw449.	14.5	18
30	Surface-dependent endocytosis of poly(isobutylcyanoacrylate) nanoparticles by <i>Trichomonas vaginalis</i> . <i>International Journal of Pharmaceutics</i> , 2018, 548, 276-287.	5.2	18
31	Postembryonic Fish Brain Proliferation Zones Exhibit Neuroepithelial-Type Gene Expression Profile. <i>Stem Cells</i> , 2017, 35, 1505-1518.	3.2	15
32	<i>Sinorhizobium meliloti</i> Functions Required for Resistance to Antimicrobial NCR Peptides and Bacteroid Differentiation. <i>MBio</i> , 2021, 12, e0089521.	4.1	13
33	Human Peripheral Blood Eosinophils Express High Levels of the Purinergic Receptor P2X4. <i>Frontiers in Immunology</i> , 2019, 10, 2074.	4.8	12
34	Dendritic Cell Subtypes from Lymph Nodes and Blood Show Contrasted Gene Expression Programs upon Bluetongue Virus Infection. <i>Journal of Virology</i> , 2013, 87, 9333-9343.	3.4	11
35	How fruit developmental biology makes use of flow cytometry approaches. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 115-125.	1.5	10
36	A pulse-chase strategy combining click-Edu and photoconvertible fluorescent reporter: tracking Golgi protein dynamics during the cell cycle. <i>New Phytologist</i> , 2015, 205, 938-950.	7.3	10

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37	The evolutionary dynamics of ancient and recent polyploidy in the African semiaquatic species of the legume genus <i>Aeschynomene</i> . <i>New Phytologist</i> , 2016, 211, 1077-1091.	7.3	9
38	Distinctive Cellular and Metabolic Reprogramming in Porcine Lung Mononuclear Phagocytes Infected With Type 1 PRRSV Strains. <i>Frontiers in Immunology</i> , 2020, 11, 588411.	4.8	6
39	High-throughput measurement of recombination rates and genetic interference in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2018, 35, 431-442.	1.7	4
40	Role of <i>Cis</i> , <i>Trans</i> , and Inbreeding Effects on Meiotic Recombination in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2018, 210, 1213-1226.	2.9	4
41	<i>Bradyrhizobium diazoefficiens</i> USDA110 Nodulation of <i>Aeschynomene afraspera</i> Is Associated with Atypical Terminal Bacteroid Differentiation and Suboptimal Symbiotic Efficiency. <i>MSystems</i> , 2021, 6, .	3.8	4
42	Genome Size, Cytotype Diversity and Reproductive Mode Variation of <i>Cotoneaster integerrimus</i> (Rosaceae) from the Balkans. <i>Plants</i> , 2021, 10, 2798.	3.5	4
43	Amiloride derivatives modulate PS externalization in neutrophil-like PLB-985 cells. <i>Biochemical Pharmacology</i> , 2010, 80, 1012-1020.	4.4	3
44	The structural and molecular analysis of endoreduplicated nuclei in tomato ( <i>Solanum lycopersicum</i> ) fruit provides evidence for a ploidy-dependent increase in transcriptional activity. <i>Plant Biotechnology</i> , 2013, 30, 301-307.	1.0	3
45	Canine Recombinant Adenovirus Vector Induces an Immunogenicity-Related Gene Expression Profile in Skin-Migrated CD11b <sup>+</sup> -Type DCs. <i>PLoS ONE</i> , 2012, 7, e52513.	2.5	3
46	Molecular and Cellular Analysis of the Repair of Zebrafish Optic Tectum Meninges following Laser Injury. <i>Cells</i> , 2022, 11, 2016.	4.1	0