

# Ghislain Breton

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

5,547  
citations

201385

27  
h-index

301761

39  
g-index

42  
all docs

42  
docs citations

42  
times ranked

7649  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Arabidopsis gene regulatory network for secondary cell wall synthesis. <i>Nature</i> , 2015, 517, 571-575.	13.7	636
2	Network Discovery Pipeline Elucidates Conserved Time-of-Day-Specific cis-Regulatory Modules. <i>PLoS Genetics</i> , 2008, 4, e14.	1.5	474
3	Linking photoreceptor excitation to changes in plant architecture. <i>Genes and Development</i> , 2012, 26, 785-790.	2.7	460
4	DECODING Ca <sup>2+</sup> SIGNALS THROUGH PLANT PROTEIN KINASES. <i>Annual Review of Plant Biology</i> , 2004, 55, 263-288.	8.6	436
5	A Functional Genomics Approach Reveals CHE as a Component of the <i>Arabidopsis</i> Circadian Clock. <i>Science</i> , 2009, 323, 1481-1485.	6.0	398
6	TaVRT-1, a Putative Transcription Factor Associated with Vegetative to Reproductive Transition in Cereals. <i>Plant Physiology</i> , 2003, 132, 1849-1860.	2.3	361
7	High-Throughput Chemical Screen Identifies a Novel Potent Modulator of Cellular Circadian Rhythms and Reveals CKI± as a Clock Regulatory Kinase. <i>PLoS Biology</i> , 2010, 8, e1000559.	2.6	216
8	FLOWERING BHLH transcriptional activators control expression of the photoperiodic flowering regulator <i>CONSTANS</i> in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3582-3587.	3.3	211
9	Gene expression signatures and small-molecule compounds link a protein kinase to <i>Plasmodium falciparum</i> motility. <i>Nature Chemical Biology</i> , 2008, 4, 347-356.	3.9	203
10	Nitrate foraging by <i>Arabidopsis</i> roots is mediated by the transcription factor TCP20 through the systemic signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15267-15272.	3.3	202
11	A Morning-Specific Phytohormone Gene Expression Program underlying Rhythmic Plant Growth. <i>PLoS Biology</i> , 2008, 6, e225.	2.6	197
12	BRANCHED1 Interacts with FLOWERING LOCUS T to Repress the Floral Transition of the Axillary Meristems in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 1228-1242.	3.1	189
13	Global Profiling of Rice and Poplar Transcriptomes Highlights Key Conserved Circadian-Controlled Pathways and cis-Regulatory Modules. <i>PLoS ONE</i> , 2011, 6, e16907.	1.1	188
14	A Genome-Scale Resource for the Functional Characterization of Arabidopsis Transcription Factors. <i>Cell Reports</i> , 2014, 8, 622-632.	2.9	164
15	Expression Profiling and Bioinformatic Analyses of a Novel Stress-Regulated Multispanning Transmembrane Protein Family from Cereals and Arabidopsis. <i>Plant Physiology</i> , 2003, 132, 64-74.	2.3	134
16	Photoperiod and Temperature Interactions Regulate Low-Temperature-Induced Gene Expression in Barley. <i>Plant Physiology</i> , 2001, 127, 1676-1681.	2.3	126
17	Enhanced Y1H assays for Arabidopsis. <i>Nature Methods</i> , 2011, 8, 1053-1055.	9.0	115
18	Microbiota regulate intestinal epithelial gene expression by suppressing the transcription factor Hepatocyte nuclear factor 4 alpha. <i>Genome Research</i> , 2017, 27, 1195-1206.	2.4	101

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19	TCP4-dependent induction of CONSTANS transcription requires GIGANTEA in photoperiodic flowering in Arabidopsis. PLoS Genetics, 2017, 13, e1006856.	1.5	80
20	Transcriptional Regulation of LUX by CBF1 Mediates Cold Input to the Circadian Clock in Arabidopsis. Current Biology, 2014, 24, 1518-1524.	1.8	79
21	Two Novel Intrinsic Annexins Accumulate in Wheat Membranes in Response to Low Temperature. Plant and Cell Physiology, 2000, 41, 177-184.	1.5	70
22	Molecular and structural analyses of a novel temperature stress-induced lipocalin from wheat and Arabidopsis. FEBS Letters, 2002, 517, 129-132.	1.3	69
23	mRNA metabolism of flowering-time regulators in wild-type Arabidopsis revealed by a nuclear cap binding protein mutant, abh1. Plant Journal, 2007, 50, 1049-1062.	2.8	67
24	Molecular and Biochemical Characterization of a Cold-Regulated Phosphoethanolamine N-Methyltransferase from Wheat. Plant Physiology, 2002, 129, 363-373.	2.3	64
25	Biotechnological applications of plant freezing associated proteins. Biotechnology Annual Review, 2000, 6, 59-101.	2.1	57
26	Sleep-wake disturbance in patients with brain tumors. Neuro-Oncology, 2016, 19, now119.	0.6	51
27	Controlling the Circadian Clock with High Temporal Resolution through Photodosing. Journal of the American Chemical Society, 2019, 141, 15784-15791.	6.6	37
28	Comparative Analysis of Vertebrate Diurnal/Circadian Transcriptomes. PLoS ONE, 2017, 12, e0169923.	1.1	29
29	ZINC-FINGER interactions mediate transcriptional regulation of hypocotyl growth in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4503-E4511.	3.3	28
30	Radiation chronotherapy's clinical impact of treatment time-of-day: a systematic review. Journal of Neuro-Oncology, 2019, 145, 415-427.	1.4	25
31	Identification of Arabidopsis Transcriptional Regulators by Yeast One-Hybrid Screens Using a Transcription Factor ORFeome. Methods in Molecular Biology, 2016, 1398, 107-118.	0.4	18
32	Novel cell surface luciferase reporter for high-throughput yeast one-hybrid screens. Nucleic Acids Research, 2017, 45, e157-e157.	6.5	15
33	Circadian rhythms lit up in Chlamydomonas. Genome Biology, 2006, 7, 215.	13.9	13
34	Time for growth. Nature, 2007, 448, 265-266.	13.7	11
35	Association of genetic variants with fatigue in patients with malignant glioma. Neuro-Oncology Practice, 2018, 5, 122-128.	1.0	7
36	Zebrafish Transcription Factor ORFeome for Gene Discovery and Regulatory Network Elucidation. Zebrafish, 2018, 15, 202-205.	0.5	4

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37	Construction of Arabidopsis Transcription Factor ORFeome Collections and Identification of Protein-DNA Interactions by High-Throughput Yeast One-Hybrid Screens. <i>Methods in Molecular Biology</i> , 2018, 1794, 151-182.	0.4	4
38	Functional dissection of the <i>ARGONAUTE7</i> promoter. <i>Plant Direct</i> , 2019, 3, e00102.	0.8	4
39	Crucial Role of Mammalian Glutaredoxin 3 in Cardiac Energy Metabolism in Diet-induced Obese Mice Revealed by Transcriptome Analysis. <i>International Journal of Biological Sciences</i> , 2021, 17, 2871-2883.	2.6	3
40	Investigation of risk factors associated with fatigue in glioma patients.. <i>Journal of Clinical Oncology</i> , 2016, 34, 2018-2018.	0.8	0