

Guillaume Blanc

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

11,907
citations

147566

31
h-index

189595

50
g-index

51
all docs

51
docs citations

51
times ranked

16427
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Phylogeny.fr: robust phylogenetic analysis for the non-specialist. <i>Nucleic Acids Research</i> , 2008, 36, W465-W469. | 6.5 | 4,135 |
| 2 | Widespread Paleopolyploidy in Model Plant Species Inferred from Age Distributions of Duplicate Genes[W]. <i>Plant Cell</i> , 2004, 16, 1667-1678. | 3.1 | 1,106 |
| 3 | Functional Divergence of Duplicated Genes Formed by Polyploidy during Arabidopsis Evolution[W]. <i>Plant Cell</i> , 2004, 16, 1679-1691. | 3.1 | 996 |
| 4 | A Recent Polyploidy Superimposed on Older Large-Scale Duplications in the Arabidopsis Genome. <i>Genome Research</i> , 2003, 13, 137-144. | 2.4 | 638 |
| 5 | BLAST-EXPLORER helps you building datasets for phylogenetic analysis. <i>BMC Evolutionary Biology</i> , 2010, 10, 8. | 3.2 | 633 |
| 6 | Extensive Duplication and Reshuffling in the Arabidopsis Genome. <i>Plant Cell</i> , 2000, 12, 1093-1101. | 3.1 | 512 |
| 7 | The <i>Chlorella variabilis</i> NC64A Genome Reveals Adaptation to Photosymbiosis, Coevolution with Viruses, and Cryptic Sex. <i>Plant Cell</i> , 2010, 22, 2943-2955. | 3.1 | 441 |
| 8 | The <i>Physcomitrella patens</i> chromosome-scale assembly reveals moss genome structure and evolution. <i>Plant Journal</i> , 2018, 93, 515-533. | 2.8 | 406 |
| 9 | The genome of the polar eukaryotic microalga <i>Coccomyxa subellipsoidea</i> reveals traits of cold adaptation. <i>Genome Biology</i> , 2012, 13, R39. | 13.9 | 289 |
| 10 | Genome Sequence of <i>Rickettsia bellii</i> Illuminates the Role of Amoebae in Gene Exchanges between Intracellular Pathogens. <i>PLoS Genetics</i> , 2006, 2, e76. | 1.5 | 286 |
| 11 | The Organization of Cytoplasmic Ribosomal Protein Genes in the Arabidopsis Genome. <i>Plant Physiology</i> , 2001, 127, 398-415. | 2.3 | 272 |
| 12 | The Genome Sequence of <i>Rickettsia felis</i> Identifies the First Putative Conjugative Plasmid in an Obligate Intracellular Parasite. <i>PLoS Biology</i> , 2005, 3, e248. | 2.6 | 242 |
| 13 | Reductive Genome Evolution from the Mother of <i>Rickettsia</i> . <i>PLoS Genetics</i> , 2007, 3, e14. | 1.5 | 167 |
| 14 | The Genome of <i>Borrelia recurrentis</i> , the Agent of Deadly Louse-Borne Relapsing Fever, Is a Degraded Subset of Tick-Borne <i>Borrelia duttonii</i> . <i>PLoS Genetics</i> , 2008, 4, e1000185. | 1.5 | 146 |
| 15 | Lipidomic and transcriptomic analyses of <i>Chlamydomonas reinhardtii</i> under heat stress unveil a direct route for the conversion of membrane lipids into storage lipids. <i>Plant, Cell and Environment</i> , 2016, 39, 834-847. | 2.8 | 124 |
| 16 | Lateral gene transfer between obligate intracellular bacteria: Evidence from the <i>Rickettsia massiliae</i> genome. <i>Genome Research</i> , 2007, 17, 1657-1664. | 2.4 | 123 |
| 17 | Molecular Evolution of <i>Rickettsia</i> Surface Antigens: Evidence of Positive Selection. <i>Molecular Biology and Evolution</i> , 2005, 22, 2073-2083. | 3.5 | 119 |
| 18 | Insights into the Musa genome: Syntenic relationships to rice and between Musa species. <i>BMC Genomics</i> , 2008, 9, 58. | 1.2 | 105 |

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|----|--|-----|-----------|
| 19 | The lichen symbiosis re-viewed through the genomes of <i>Cladonia grayi</i> and its algal partner <i>Asterochloris glomerata</i> . <i>BMC Genomics</i> , 2019, 20, 605. | 1.2 | 98 |
| 20 | Plant genomes enclose footprints of past infections by giant virus relatives. <i>Nature Communications</i> , 2014, 5, 4268. | 5.8 | 92 |
| 21 | Provirophages in the <i>Bigelowiella</i> genome bear testimony to past encounters with giant viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5318-26. | 3.3 | 89 |
| 22 | Towards defining the chloroviruses: a genomic journey through a genus of large DNA viruses. <i>BMC Genomics</i> , 2013, 14, 158. | 1.2 | 79 |
| 23 | A Glimpse of Nucleo-Cytoplasmic Large DNA Virus Biodiversity through the Eukaryotic Genomics Window. <i>Viruses</i> , 2017, 9, 17. | 1.5 | 72 |
| 24 | Gene Expression in Proliferating Cells of the Dinoflagellate <i>Alexandrium catenella</i> (Dinophyceae). <i>Applied and Environmental Microbiology</i> , 2010, 76, 4521-4529. | 1.4 | 71 |
| 25 | Deep RNA Sequencing Reveals Hidden Features and Dynamics of Early Gene Transcription in <i>Paramecium bursaria</i> Chlorella Virus 1. <i>PLoS ONE</i> , 2014, 9, e90989. | 1.1 | 65 |
| 26 | <i>Paramecium bursaria</i> Chlorella Virus 1 Proteome Reveals Novel Architectural and Regulatory Features of a Giant Virus. <i>Journal of Virology</i> , 2012, 86, 8821-8834. | 1.5 | 64 |
| 27 | Study of Gene Trafficking between <i>Acanthamoeba</i> and Giant Viruses Suggests an Undiscovered Family of Amoeba-Infecting Viruses. <i>Genome Biology and Evolution</i> , 2016, 8, 3351-3363. | 1.1 | 59 |
| 28 | Comparative Genomics of Chrysochromulina <i>Ericina</i> Virus and Other Microalga-Infecting Large DNA Viruses Highlights Their Intricate Evolutionary Relationship with the Established Mimiviridae Family. <i>Journal of Virology</i> , 2017, 91, . | 1.5 | 59 |
| 29 | History, protohistory and prehistory of the <i>Arabidopsis thaliana</i> chromosome complement. <i>Trends in Plant Science</i> , 2006, 11, 267-273. | 4.3 | 47 |
| 30 | Sca1, a previously undescribed paralog from autotransporter protein-encoding genes in <i>Rickettsia</i> species. <i>BMC Microbiology</i> , 2006, 6, 12. | 1.3 | 46 |
| 31 | Structural divergence of chromosomal segments that arose from successive duplication events in the <i>Arabidopsis</i> genome. <i>Nucleic Acids Research</i> , 2003, 31, 1339-1350. | 6.5 | 41 |
| 32 | Phylogenomic fingerprinting of tempo and functions of horizontal gene transfer within ochrophytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 37 |
| 33 | <i>Rickettsia felis</i> , from Culture to Genome Sequencing. <i>Annals of the New York Academy of Sciences</i> , 2005, 1063, 26-34. | 1.8 | 24 |
| 34 | Characterization of a UDP-N-acetylglucosamine biosynthetic pathway encoded by the giant DNA virus Mimivirus. <i>Glycobiology</i> , 2014, 24, 51-61. | 1.3 | 24 |
| 35 | Phylogenetic Analysis of Rickettsial Patatin-like Protein with Conserved Phospholipase A2 Active Sites. <i>Annals of the New York Academy of Sciences</i> , 2005, 1063, 83-86. | 1.8 | 19 |
| 36 | Phylogenetic Study of <i>Rickettsia</i> Species Using Sequences of the Autotransporter Protein-Encoding Gene sca2. <i>Annals of the New York Academy of Sciences</i> , 2005, 1063, 94-99. | 1.8 | 19 |

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|----|---|-----|-----------|
| 37 | Potassium Ion Channels: Could They Have Evolved from Viruses?. <i>Plant Physiology</i> , 2013, 162, 1215-1224. | 2.3 | 19 |
| 38 | Global Analysis of <i>Chlorella variabilis</i> NC64A mRNA Profiles during the Early Phase of <i>Paramecium bursaria</i> <i>Chlorella</i> Virus-1 Infection. <i>PLoS ONE</i> , 2014, 9, e90988. | 1.1 | 16 |
| 39 | Impact of the Excision of an Ancient Repeat Insertion on <i>Rickettsia conorii</i> Guanylate Kinase Activity. <i>Molecular Biology and Evolution</i> , 2006, 23, 2112-2122. | 3.5 | 14 |
| 40 | Complete mitochondrial genome sequence of the freshwater diatom <i>Asterionella formosa</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2017, 2, 97-98. | 0.2 | 13 |
| 41 | Long-read only assembly of <i>Drechmeria coniospora</i> genomes reveals widespread chromosome plasticity and illustrates the limitations of current nanopore methods. <i>GigaScience</i> , 2020, 9, . | 3.3 | 11 |
| 42 | Evaluation of higher plant virus resistance genes in the green alga, <i>Chlorella variabilis</i> NC64A, during the early phase of infection with <i>Paramecium bursaria chlorella virus-1</i> . <i>Virology</i> , 2013, 442, 101-113. | 1.1 | 10 |
| 43 | Comparative Genomics Unveils Regionalized Evolution of the Faustovirus Genomes. <i>Viruses</i> , 2020, 12, 577. | 1.5 | 7 |
| 44 | The Kaumoebavirus LCC10 Genome Reveals a Unique Gene Strand Bias among "Extended Asfarviridae" Viruses, 2021, 13, 148. | 1.5 | 7 |
| 45 | Exploring the microbiome of the "star" freshwater diatom <i>Asterionella formosa</i> in a laboratory context. <i>Environmental Microbiology</i> , 2018, 20, 3601-3615. | 1.8 | 6 |
| 46 | A High Rate Algal Pond Hosting a Dynamic Community of RNA Viruses. <i>Viruses</i> , 2021, 13, 2163. | 1.5 | 6 |
| 47 | Computational Analyses of Ancient Polyploidy. <i>Current Bioinformatics</i> , 2006, 1, 131-146. | 0.7 | 5 |
| 48 | Giant viruses at the core of microscopic wars with global impacts. <i>Current Opinion in Virology</i> , 2016, 17, 130-137. | 2.6 | 5 |
| 49 | Pacmanvirus S19, the Second Pacmanvirus Isolated from Sewage Waters in Oran, Algeria. <i>Microbiology Resource Announcements</i> , 2021, 10, e0069321. | 0.3 | 4 |
| 50 | Diversity of Giant Viruses Infecting <i>Vermamoeba vermiformis</i> . <i>Frontiers in Microbiology</i> , 2022, 13, . | 1.5 | 1 |