# BenoÃ®t Pinson

List of Publications by Year
in descending order



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|---|---|---|---|
| 81 papers | 3,270 citations | 230014 27 h-index | 190340 53 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 4661 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | mTOR Inhibitors Prevent CMV Infection through the Restoration of Functional Î±Î² and Î³Î´ T cells in Kidney Transplantation. Journal of the American Society of Nephrology: JASN, 2022, 33, 121-137. | 3.0 | 22 |
| 2 | Plasma creatinine below limit of quantification in a patient with acute kidney injury. Clinica Chimica Acta, 2022, 524, 101-105. | 0.5 | 5 |
| 3 | Fungal gasdermin-like proteins are controlled by proteolytic cleavage. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 33 |
| 4 | The Dctâˆ’/âˆ’ Mouse Model to Unravel Retinogenesis Misregulation in Patients with Albinism. Genes, 2022, 13, 1164. | 1.0 | 3 |
| 5 | Identification of novel UROS mutations in a patient with congenital erythropoietic porphyria and efficient treatment by phlebotomy. Molecular Genetics and Metabolism Reports, 2021, 27, 100722. | 0.4 | 5 |
| 6 | Quiescence Through the Prism of Evolution. Frontiers in Cell and Developmental Biology, 2021, 9, 745069. | 1.8 | 6 |
| 7 | Yeast Ppz1 protein phosphatase toxicity involves the alteration of multiple cellular targets. Scientific Reports, 2020, 10, 15613. | 1.6 | 18 |
| 8 | Genetic investigation of purine nucleotide imbalance in Saccharomyces cerevisiae. Current Genetics, 2020, 66, 1163-1177. | 0.8 | 2 |
| 9 | Yeast to Study Human Purine Metabolism Diseases. Cells, 2019, 8, 67. | 1.8 | 28 |
| 10 | Structural basis for substrate selectivity and nucleophilic substitution mechanisms in human adenine phosphoribosyltransferase catalyzed reaction. Journal of Biological Chemistry, 2019, 294, 11980-11991. | 1.6 | 4 |
| 11 | Purine Homeostasis Is Necessary for Developmental Timing, Germline Maintenance and Muscle Integrity in <i>Caenorhabditis elegans</i>. Genetics, 2019, 211, 1297-1313. | 1.2 | 19 |
| 12 | Metabolomics and proteomics identify the toxic form and the associated cellular binding targets of the anti-proliferative drug AICAR. Journal of Biological Chemistry, 2019, 294, 805-815. | 1.6 | 11 |
| 13 | Dual control of NAD+ synthesis by purine metabolites in yeast. ELife, 2019, 8, . | 2.8 | 30 |
| 14 | Multiple chemo-genetic interactions between a toxic metabolite and the ubiquitin pathway in yeast. Current Genetics, 2018, 64, 1275-1286. | 0.8 | 4 |
| 15 | Structural Insights into the Forward and Reverse Enzymatic Reactions in Human Adenine Phosphoribosyltransferase. Cell Chemical Biology, 2018, 25, 666-676.e4. | 2.5 | 12 |
| 16 | AICAR Antiproliferative Properties Involve the AMPK-Independent Activation of the Tumor Suppressors LATS 1 and 2. Neoplasia, 2018, 20, 555-562. | 2.3 | 13 |
| 17 | Functional <scp>PTB</scp> phosphate transporters are present in streptophyte algae and early diverging land plants. New Phytologist, 2017, 214, 1158-1171. | 3.5 | 25 |
| 18 | A chemical genetic strategy identify the <scp>PHOSTIN</scp>, a synthetic molecule that triggers phosphate starvation responses in <i>Arabidopsis thaliana</i>. New Phytologist, 2016, 209, 161-176. | 3.5 | 15 |

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|---|---|---|---|
| 19 | Chemo-Genetic Interactions Between Histone Modification and the Antiproliferation Drug AICAR Are Conserved in Yeast and Humans. Genetics, 2016, 204, 1447-1460. | 1.2 | 7 |
| 20 | Disruption of Nucleotide Homeostasis by the Antiproliferative Drug 5-Aminoimidazole-4-carboxamide-1-Î²-d-ribofuranoside Monophosphate (AICAR). Journal of Biological Chemistry, 2015, 290, 23947-23959. | 1.6 | 9 |
| 21 | Surface diffusion of astrocytic glutamate transporters shapes synaptic transmission. Nature Neuroscience, 2015, 18, 219-226. | 7.1 | 223 |
| 22 | New biomarkers for early diagnosis of Lesch-Nyhan disease revealed by metabolic analysis on a large cohort of patients. Orphanet Journal of Rare Diseases, 2015, 10, 7. | 1.2 | 27 |
| 23 | Comparative genomic and expression analysis of the adenosine signaling pathway members in Xenopus. Purinergic Signalling, 2015, 11, 59-77. | 1.1 | 5 |
| 24 | Serine hydroxymethyltransferase: a key player connecting purine, folate and methionine metabolism in Saccharomyces cerevisiae. Current Genetics, 2015, 61, 633-640. | 0.8 | 8 |
| 25 | A stable microtubule array drives fission yeast polarity reestablishment upon quiescence exit. Journal of Cell Biology, 2015, 210, 99-113. | 2.3 | 17 |
| 26 | Identification of Yeast and Human 5-Aminoimidazole-4-carboxamide-1-Î²-d-ribofuranoside (AICAr) Transporters. Journal of Biological Chemistry, 2014, 289, 16844-16854. | 1.6 | 17 |
| 27 | Increased levels of reduced cytochrome <i>b</i> and mitophagy components are required to trigger nonspecific autophagy following induced mitochondrial dysfunction. Journal of Cell Science, 2013, 126, 415-426. | 1.2 | 29 |
| 28 | A pharmacoâ€epistasis strategy reveals a new cell size controlling pathway in yeast. Molecular Systems Biology, 2013, 9, 707. | 3.2 | 11 |
| 29 | Tye7 regulates yeast Ty1 retrotransposon sense and antisense transcription in response to adenylic nucleotides stress. Nucleic Acids Research, 2012, 40, 5271-5282. | 6.5 | 33 |
| 30 | 5-Aminoimidazole-4-carboxamide-1-beta-D-ribofuranosyl 5'-Monophosphate (AICAR), a Highly Conserved Purine Intermediate with Multiple Effects. Metabolites, 2012, 2, 292-302. | 1.3 | 50 |
| 31 | Functional significance of four successive glycine residues in the pyrophosphate binding loop of fungal 6â€oxopurine phosphoribosyltransferases. Protein Science, 2012, 21, 1185-1196. | 3.1 | 9 |
| 32 | cAMP-induced Mitochondrial Compartment Biogenesis. Journal of Biological Chemistry, 2012, 287, 14569-14578. | 1.6 | 17 |
| 33 | Regulation of Amino Acid, Nucleotide, and Phosphate Metabolism in <i>Saccharomyces cerevisiae</i>. Genetics, 2012, 190, 885-929. | 1.2 | 466 |
| 34 | Physiological and Toxic Effects of Purine Intermediate 5-Amino-4-imidazolecarboxamide Ribonucleotide (AICAR) in Yeast. Journal of Biological Chemistry, 2011, 286, 30994-31002. | 1.6 | 34 |
| 35 | Proliferation/quiescence: the controversial "aller-retour". Cell Division, 2011, 6, 10. | 1.1 | 23 |
| 36 | Proliferation/Quiescence: When to start? Where to stop? What to stock?. Cell Division, 2011, 6, 20. | 1.1 | 28 |

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|---|---|---|---|
| 37 | Ugo1 and Mdm30 act sequentially during Fzo1-mediated mitochondrial outer membrane fusion. Journal of Cell Science, 2011, 124, 1126-1135. | 1.2 | 77 |
| 38 | Metabolic status rather than cell cycle signals control quiescence entry and exit. Journal of Cell Biology, 2011, 192, 949-957. | 2.3 | 115 |
| 39 | Reactive Oxygen Species-mediated Regulation of Mitochondrial Biogenesis in the Yeast Saccharomyces cerevisiae. Journal of Biological Chemistry, 2010, 285, 1733-1742. | 1.6 | 57 |
| 40 | The Necrotic Signal Induced by Mycophenolic Acid Overcomes Apoptosis-Resistance in Tumor Cells. PLoS ONE, 2009, 4, e5493. | 1.1 | 22 |
| 41 | Phenotypic Consequences of Purine Nucleotide Imbalance in<i>Saccharomyces cerevisiae</i>. Genetics, 2009, 183, 529-538. | 1.2 | 33 |
| 42 | Metabolic intermediates selectively stimulate transcription factor interaction and modulate phosphate and purine pathways. Genes and Development, 2009, 23, 1399-1407. | 2.7 | 73 |
| 43 | The SPX domain of the yeast lowâ€affinity phosphate transporter Pho90 regulates transport activity. EMBO Reports, 2009, 10, 1003-1008. | 2.0 | 81 |
| 44 | Coâ€regulation of yeast purine and phosphate pathways in response to adenylic nucleotide variations. Molecular Microbiology, 2008, 68, 1583-1594. | 1.2 | 43 |
| 45 | Reversible cytoplasmic localization of the proteasome in quiescent yeast cells. Journal of Cell Biology, 2008, 181, 737-745. | 2.3 | 170 |
| 46 | Dysregulation of Purine Nucleotide Biosynthesis Pathways Modulates Cisplatin Cytotoxicity in<i>Saccharomyces cerevisiae</i>. Molecular Pharmacology, 2008, 74, 1092-1100. | 1.0 | 15 |
| 47 | The Immunosuppressor Mycophenolic Acid Kills Activated Lymphocytes by Inducing a Nonclassical Actin-Dependent Necrotic Signal. Journal of Immunology, 2008, 181, 7630-7638. | 0.4 | 34 |
| 48 | Lethal Accumulation of Guanylic Nucleotides in<i>Saccharomyces cerevisiae HPT1</i>-Deregulated Mutants. Genetics, 2008, 178, 815-824. | 1.2 | 20 |
| 49 | Mitochondrial Oxidative Phosphorylation Is Regulated by Fructose 1,6-Bisphosphate. Journal of Biological Chemistry, 2008, 283, 26948-26955. | 1.6 | 125 |
| 50 | Polarized Growth in the Absence of F-Actin in Saccharomyces cerevisiae Exiting Quiescence. PLoS ONE, 2008, 3, e2556. | 1.1 | 22 |
| 51 | Skp1-Cullin-F-box-dependent Degradation of Aah1p Requires Its Interaction with the F-box Protein Saf1p. Journal of Biological Chemistry, 2007, 282, 20097-20103. | 1.6 | 16 |
| 52 | Proteasome- and SCF-dependent degradation of yeast adenine deaminase upon transition from proliferation to quiescence requires a new F-box protein named Saf1p. Molecular Microbiology, 2006, 60, 1014-1025. | 1.2 | 31 |
| 53 | Actin Bodies in Yeast Quiescent Cells: An Immediately Available Actin Reserve?. Molecular Biology of the Cell, 2006, 17, 4645-4655. | 0.9 | 80 |
| 54 | Guanylic nucleotide starvation affects Saccharomyces cerevisiae mother-daughter separation and may be a signal for entry into quiescence. BMC Cell Biology, 2005, 6, 24. | 3.0 | 12 |

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|---|---|---|---|
| 55 | Revisiting Purine-Histidine Cross-Pathway Regulation in Saccharomyces cerevisiae. Genetics, 2005, 170, 61-70. | 1.2 | 82 |
| 56 | Low Affinity Orthophosphate Carriers Regulate PHO Gene Expression Independently of Internal Orthophosphate Concentration in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2004, 279, 35273-35280. | 1.6 | 55 |
| 57 | The yeast ISN1 (YOR155c) gene encodes a new type of IMP-specific 5'-nucleotidase. BMC Biochemistry, 2003, 4, 4. | 4.4 | 24 |
| 58 | Sub-families of Î±/Î² Barrel Enzymes: A New Adenine Deaminase Family. Journal of Molecular Biology, 2003, 334, 1117-1131. | 2.0 | 32 |
| 59 | The Critical cis-Acting Element Required for IMD2 Feedback Regulation by GDP Is a TATA Box Located 202 Nucleotides Upstream of the Transcription Start Site. Molecular and Cellular Biology, 2003, 23, 6267-6278. | 1.1 | 17 |
| 60 | Transcription Initiation of the Yeast IMD2 Gene Is Abolished in Response to Nutrient Limitation through a Sequence in Its Coding Region. Molecular and Cellular Biology, 2003, 23, 6279-6290. | 1.1 | 13 |
| 61 | Screening the Yeast â€œDisruptomeâ€• for Mutants Affecting Resistance to the Immunosuppressive Drug, Mycophenolic Acid. Journal of Biological Chemistry, 2002, 277, 27036-27044. | 1.6 | 88 |
| 62 | Identification of genes affecting selenite toxicity and resistance in Saccharomyces cerevisiae. Molecular Microbiology, 2002, 36, 679-687. | 1.2 | 63 |
| 63 | Redox regulation of AMP synthesis in yeast: a role of the Bas1p and Bas2p transcription factors. Molecular Microbiology, 2002, 36, 1460-1469. | 1.2 | 11 |
| 64 | Proteome Analysis and Morphological Studies Reveal Multiple Effects of the Immunosuppressive Drug Mycophenolic Acid Specifically Resulting from Guanylic Nucleotide Depletion. Journal of Biological Chemistry, 2001, 276, 46237-46242. | 1.6 | 25 |
| 65 | Yeast AMP Pathway Genes Respond to Adenine through Regulated Synthesis of a Metabolic Intermediate. Molecular and Cellular Biology, 2001, 21, 7901-7912. | 1.1 | 82 |
| 66 | Transcriptional Regulation of the Yeast GMP Synthesis Pathway by Its End Products. Journal of Biological Chemistry, 2001, 276, 1523-1530. | 1.6 | 81 |
| 67 | Highly conserved features of DNA binding between two divergent members of the Myb family of transcription factors. Nucleic Acids Research, 2001, 29, 527-535. | 6.5 | 8 |
| 68 | Signaling through regulated transcription factor interaction: mapping of a regulatory interaction domain in the Myb-related Bas1p. Nucleic Acids Research, 2000, 28, 4665-4673. | 6.5 | 25 |
| 69 | Yeast GMP Kinase Mutants Constitutively Express AMP Biosynthesis Genes by Phenocopying a Hypoxanthine-Guanine Phosphoribosyltransferase Defect. Genetics, 2000, 156, 953-961. | 1.2 | 18 |
| 70 | Only one of the charged amino acids located in membrane-spanning regions is important for the function of the Saccharomyces cerevisiae uracil permease. Biochemical Journal, 1999, 339, 37-42. | 1.7 | 13 |
| 71 | APT1 , but Not APT2 , Codes for a Functional Adenine Phosphoribosyltransferase in Saccharomyces cerevisiae. Journal of Bacteriology, 1999, 181, 347-352. | 1.0 | 19 |
| 72 | Post-translational fate ofCAN1 permease ofSaccharomyces cerevisiae. , 1998, 14, 215-224. | | 18 |

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| 73 | Role of the Myb-like protein Bas1p in Saccharomyces cerevisiae: a proteome analysis. Molecular Microbiology, 1998, 30, 557-566. | 1.2 | 81 |
| 74 | Mutations in the yeast Myb-like protein Bas1p resulting in discrimination between promoters in vivo but notin vitro. Nucleic Acids Research, 1998, 26, 3977-3985. | 6.5 | 21 |
| 75 | Characterization of the Saccharomyces cerevisiaeCytosine Transporter Using Energizable Plasma Membrane Vesicles. Journal of Biological Chemistry, 1997, 272, 28918-28924. | 1.6 | 10 |
| 76 | Functional Analysis of Mutated Purine-Cytosine Permease from Saccharomyces cerevisiae. Journal of Biological Chemistry, 1997, 272, 9697-9702. | 1.6 | 28 |
| 77 | The Isolation and Characterization of <i>Saccharomyces cerevisiae</i> Mutants That Constitutively Express Purine Biosynthetic Genes. Genetics, 1997, 147, 383-397. | 1.2 | 62 |
| 78 | Immunological characterization of the purine-cytosine permease ofSaccharomyces cerevisiae: Evidence ofin Vivo phosphorylation of the carrier. Folia Microbiologica, 1996, 41, 121-124. | 1.1 | 2 |
| 79 | In vivo Phosphorylation of the Purine/Cytosine Permease from the Plasma Membrane of the Yeast Saccharomyces cerevisiae. FEBS Journal, 1996, 239, 439-444. | 0.2 | 16 |
| 80 | MBR1 and MBR3, two related yeast genes that can suppress the growth defect of hap2, hap3 and hap4 mutants. Molecular Genetics and Genomics, 1994, 243, 575-583. | 2.4 | 22 |
| 81 | A genetic screen to isolate genes regulated by the yeast CCAAT-box binding protein Hap2p. Yeast, 1994, 10, 1273-1283. | 0.8 | 55 |