

Pascual Sanz

List of Publications by Year in descending order

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136
papers

5,493
citations

70961

41
h-index

110170

64
g-index

141
all docs

141
docs citations

141
times ranked

6773
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Regulatory Interactions between the Reg1-Glc7 Protein Phosphatase and the Snf1 Protein Kinase. <i>Molecular and Cellular Biology</i> , 2000, 20, 1321-1328. | 1.1 | 222 |
| 2 | A ¹³ C Nuclear Magnetic Resonance Investigation of the Metabolism of Leucine to Isoamyl Alcohol in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 26871-26878. | 1.6 | 177 |
| 3 | Severe Persistent Hyperinsulinemic Hypoglycemia due to a De Novo Glucokinase Mutation. <i>Diabetes</i> , 2004, 53, 2164-2168. | 0.3 | 174 |
| 4 | Laforin, the most common protein mutated in Lafora disease, regulates autophagy. <i>Human Molecular Genetics</i> , 2010, 19, 2867-2876. | 1.4 | 170 |
| 5 | Lafora bodies and neurological defects in malin-deficient mice correlate with impaired autophagy. <i>Human Molecular Genetics</i> , 2012, 21, 1521-1533. | 1.4 | 131 |
| 6 | Regulation of glycogen synthesis by the laforin-malin complex is modulated by the AMP-activated protein kinase pathway. <i>Human Molecular Genetics</i> , 2008, 17, 667-678. | 1.4 | 128 |
| 7 | Frataxin interacts functionally with mitochondrial electron transport chain proteins. <i>Human Molecular Genetics</i> , 2005, 14, 2091-2098. | 1.4 | 124 |
| 8 | Carbon Source-Dependent Phosphorylation of Hexokinase PII and Its Role in the Glucose-Signaling Response in Yeast. <i>Molecular and Cellular Biology</i> , 1998, 18, 2940-2948. | 1.1 | 112 |
| 9 | Engineering baker's yeast: room for improvement. <i>Trends in Biotechnology</i> , 1999, 17, 237-244. | 4.9 | 106 |
| 10 | Laforin, the dual-phosphatase responsible for Lafora disease, interacts with R5 (PTG), a regulatory subunit of protein phosphatase-1 that enhances glycogen accumulation. <i>Human Molecular Genetics</i> , 2003, 12, 3161-3171. | 1.4 | 102 |
| 11 | AMPK [±] LDH pathway regulates muscle stem cell self-renewal by controlling metabolic homeostasis. <i>EMBO Journal</i> , 2017, 36, 1946-1962. | 3.5 | 95 |
| 12 | A PTG Variant Contributes to a Milder Phenotype in Lafora Disease. <i>PLoS ONE</i> , 2011, 6, e21294. | 1.1 | 93 |
| 13 | Hexokinase PII has a double cytosolic-nuclear localisation in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1998, 425, 475-478. | 1.3 | 90 |
| 14 | Reactive Glia Inflammatory Signaling Pathways and Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4096. | 1.8 | 90 |
| 15 | Convergence of the Target of Rapamycin and the Snf1 Protein Kinase Pathways in the Regulation of the Subcellular Localization of Msn2, a Transcriptional Activator of STRE (Stress Response) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 17 | | |
| 16 | Large Islets, Beta-Cell Proliferation, and a Glucokinase Mutation. <i>New England Journal of Medicine</i> , 2010, 362, 1348-1350. | 13.9 | 81 |
| 17 | AMP-Activated Protein Kinase: Structure and Regulation. <i>Current Protein and Peptide Science</i> , 2008, 9, 478-492. | 0.7 | 80 |
| 18 | In vivo and in vitro analysis of ptl1, a yeast ts mutant with a membrane-associated defect in protein translocation.. <i>EMBO Journal</i> , 1988, 7, 4347-4353. | 3.5 | 78 |

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|----|---|-----|-----------|
| 19 | A769662, a novel activator of AMP-activated protein kinase, inhibits non-proteolytic components of the 26S proteasome by an AMPK-independent mechanism. <i>FEBS Letters</i> , 2008, 582, 2650-2654. | 1.3 | 76 |
| 20 | Snf1 protein kinase: a key player in the response to cellular stress in yeast. <i>Biochemical Society Transactions</i> , 2003, 31, 178-181. | 1.6 | 75 |
| 21 | Reg1p targets protein phosphatase 1 to dephosphorylate hexokinase II in <i>Saccharomyces cerevisiae</i> : characterizing the effects of a phosphatase subunit on the yeast proteome. <i>EMBO Journal</i> , 1999, 18, 4157-4168. | 3.5 | 74 |
| 22 | Molecular Characterization of Ypi1, a Novel <i>Saccharomyces cerevisiae</i> Type 1 Protein Phosphatase Inhibitor. <i>Journal of Biological Chemistry</i> , 2003, 278, 47744-47752. | 1.6 | 69 |
| 23 | Increased Endoplasmic Reticulum Stress and Decreased Proteasomal Function in Lafora Disease Models Lacking the Phosphatase Laforin. <i>PLoS ONE</i> , 2009, 4, e5907. | 1.1 | 69 |
| 24 | Role of AMP-activated protein kinase in autophagy and proteasome function. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 964-968. | 1.0 | 67 |
| 25 | The PP1-R6 protein phosphatase holoenzyme is involved in the glucose-induced dephosphorylation and inactivation of AMP-activated protein kinase, a key regulator of insulin secretion, in MIN6 β cells. <i>FASEB Journal</i> , 2010, 24, 5080-5091. | 0.2 | 66 |
| 26 | Active Snf1 protein kinase inhibits expression of the <i>Saccharomyces cerevisiae</i> HXT1 glucose transporter gene. <i>Biochemical Journal</i> , 2002, 368, 657-663. | 1.7 | 63 |
| 27 | Laforin, a protein with many faces: glucan phosphatase, adapter protein, et alii. <i>FEBS Journal</i> , 2013, 280, 525-537. | 2.2 | 63 |
| 28 | An Attachment-Independent Biochemical Timer of the Spindle Assembly Checkpoint. <i>Molecular Cell</i> , 2017, 68, 715-730.e5. | 4.5 | 62 |
| 29 | A Complex of Catalytically Inactive Protein Phosphatase-1 Sandwiched between Sds22 and Inhibitor-3. <i>Biochemistry</i> , 2007, 46, 8909-8919. | 1.2 | 59 |
| 30 | Pharmacological Interventions to Ameliorate Neuropathological Symptoms in a Mouse Model of Lafora Disease. <i>Molecular Neurobiology</i> , 2016, 53, 1296-1309. | 1.9 | 59 |
| 31 | Structural Mechanism of Laforin Function in Glycogen Dephosphorylation and Lafora Disease. <i>Molecular Cell</i> , 2015, 57, 261-272. | 4.5 | 54 |
| 32 | AMP-activated Protein Kinase Phosphorylates R5/PTG, the Glycogen Targeting Subunit of the R5/PTG-Protein Phosphatase 1 Holoenzyme, and Accelerates Its Down-regulation by the Laforin-Malin Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 8247-8255. | 1.6 | 53 |
| 33 | The Laforin-Malin Complex, Involved in Lafora Disease, Promotes the Incorporation of K63-linked Ubiquitin Chains into AMP-activated Protein Kinase β Subunits. <i>Molecular Biology of the Cell</i> , 2010, 21, 2578-2588. | 0.9 | 53 |
| 34 | Inflammation in Lafora Disease: Evolution with Disease Progression in Laforin and Malin Knock-out Mouse Models. <i>Molecular Neurobiology</i> , 2017, 54, 3119-3130. | 1.9 | 53 |
| 35 | YPI1 and SDS22 Proteins Regulate the Nuclear Localization and Function of Yeast Type 1 Phosphatase Glc7. <i>Journal of Biological Chemistry</i> , 2007, 282, 3282-3292. | 1.6 | 50 |
| 36 | Astrocytes: new players in progressive myoclonus epilepsy of Lafora type. <i>Human Molecular Genetics</i> , 2018, 27, 1290-1300. | 1.4 | 50 |

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|----|--|-----|-----------|
| 37 | In vivo and in vitro analysis of ptl1, a yeast ts mutant with a membrane-associated defect in protein translocation. <i>EMBO Journal</i> , 1988, 7, 4347-53. | 3.5 | 49 |
| 38 | Clinical and Pathological Findings in Fatal Plant Oxalosis. <i>American Journal of Forensic Medicine and Pathology</i> , 1992, 13, 342-345. | 0.4 | 46 |
| 39 | DOG1 andDOG2: Two genes from <i>Saccharomyces cerevisiae</i> that confer 2-deoxyglucose resistance when overexpressed. <i>Yeast</i> , 1995, 11, 1233-1240. | 0.8 | 46 |
| 40 | Purification and characterization of a new $\hat{\pm}$ -amylase of intermediate thermal stability from the yeast <i>Lipomyces kononenkoae</i> . <i>Biochemistry and Cell Biology</i> , 1995, 73, 41-49. | 0.9 | 46 |
| 41 | Metformin treatment reduces motor and neuropsychiatric phenotypes in the zQ175 mouse model of Huntington disease. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-16. | 3.2 | 46 |
| 42 | Glucose and Type 2A Protein Phosphatase Regulate the Interaction Between Catalytic and Regulatory Subunits of AMP-activated Protein Kinase. <i>Journal of Molecular Biology</i> , 2003, 333, 201-209. | 2.0 | 44 |
| 43 | Expression of the HXT1 Low Affinity Glucose Transporter Requires the Coordinated Activities of the HOG and Glucose Signalling Pathways. <i>Journal of Biological Chemistry</i> , 2004, 279, 22010-22019. | 1.6 | 44 |
| 44 | Reactive Glia-Derived Neuroinflammation: a Novel Hallmark in Lafora Progressive Myoclonus Epilepsy That Progresses with Age. <i>Molecular Neurobiology</i> , 2020, 57, 1607-1621. | 1.9 | 43 |
| 45 | Signal recognition particle (SRP) stabilizes the translocation-competent conformation of pre-secretory proteins.. <i>EMBO Journal</i> , 1988, 7, 3553-3557. | 3.5 | 42 |
| 46 | Secretion in yeast: preprotein binding to a membrane receptor and ATP-dependent translocation are sequential and separable events in vitro.. <i>Journal of Cell Biology</i> , 1989, 108, 2101-2106. | 2.3 | 42 |
| 47 | Hexokinase PII: structural analysis and glucose signalling in the yeast <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2001, 18, 923-930. | 0.8 | 40 |
| 48 | Sumoylation of AMPK $\hat{2}$ subunit enhances AMP-activated protein kinase activity. <i>Molecular Biology of the Cell</i> , 2013, 24, 1801-1811. | 0.9 | 40 |
| 49 | <scp>AMPK</scp>beta subunits: more than just a scaffold in the formation of <scp>AMPK</scp> complex. <i>FEBS Journal</i> , 2013, 280, 3723-3733. | 2.2 | 40 |
| 50 | Purification and characterization of a neutral endoxylanase from <i>Aspergillus nidulans</i> . <i>FEMS Microbiology Letters</i> , 1993, 113, 223-228. | 0.7 | 39 |
| 51 | Construction of baker's yeast strains that secrete <i>Aspergillus oryzae</i> alpha-amylase and their use in bread making. <i>Journal of Cereal Science</i> , 1995, 21, 185-193. | 1.8 | 39 |
| 52 | Glycogenic activity of R6, a protein phosphatase 1 regulatory subunit, is modulated by the laforinâ€malin complex. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1479-1488. | 1.2 | 39 |
| 53 | Increased Oxidative Stress and Impaired Antioxidant Response in Lafora Disease. <i>Molecular Neurobiology</i> , 2015, 51, 932-946. | 1.9 | 39 |
| 54 | Oxidative Stress, a Crossroad Between Rare Diseases and Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 313. | 2.2 | 39 |

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|----|--|-----|-----------|
| 55 | Stable High-Copy-Number Integration of <i>Aspergillus oryzae</i> Î±-AMYLASE cDNA in an Industrial Baker's Yeast Strain. <i>Biotechnology Progress</i> , 1999, 15, 459-466. | 1.3 | 38 |
| 56 | Lafora Disease: A Ubiquitination-Related Pathology. <i>Cells</i> , 2018, 7, 87. | 1.8 | 38 |
| 57 | Glucose repression may involve processes with different sugar kinase requirements. <i>Journal of Bacteriology</i> , 1996, 178, 4721-4723. | 1.0 | 36 |
| 58 | 4-Phenylbutyric acid and metformin decrease sensitivity to pentylenetetrazol-induced seizures in a malin knockout model of Lafora disease. <i>NeuroReport</i> , 2017, 28, 268-271. | 0.6 | 35 |
| 59 | Expression of LIP1 and LIP2 Genes from <i>Geotrichum</i> Species in Baker's Yeast Strains and Their Application to the Bread-Making Process. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 803-808. | 2.4 | 34 |
| 60 | <i>Saccharomyces cerevisiae</i> 14-3-3 proteins Bmh1 and Bmh2 participate in the process of catabolite inactivation of maltose permease. <i>FEBS Letters</i> , 2003, 544, 160-164. | 1.3 | 31 |
| 61 | Opposite Clinical Phenotypes of Glucokinase Disease: Description of a Novel Activating Mutation and Contiguous Inactivating Mutations in Human Glucokinase (GCK) Gene. <i>Molecular Endocrinology</i> , 2009, 23, 1983-1989. | 3.7 | 30 |
| 62 | Impaired autophagy in Lafora disease. <i>Autophagy</i> , 2010, 6, 991-993. | 4.3 | 30 |
| 63 | Molecular characterization of a gene that confers 2-deoxyglucose resistance in yeast. <i>Yeast</i> , 1994, 10, 1195-1202. | 0.8 | 29 |
| 64 | Construction of industrial baker's yeast strains able to assimilate maltose under catabolite repression conditions. <i>Applied Microbiology and Biotechnology</i> , 1994, 42, 581-586. | 1.7 | 29 |
| 65 | Laforin, a dual-specificity phosphatase involved in Lafora disease, is phosphorylated at Ser25 by AMP-activated protein kinase. <i>Biochemical Journal</i> , 2011, 439, 265-275. | 1.7 | 29 |
| 66 | <i>Plasmodium falciparum</i> Inhibitor-3 Homolog Increases Protein Phosphatase Type 1 Activity and Is Essential for Parasitic Survival. <i>Journal of Biological Chemistry</i> , 2012, 287, 1306-1321. | 1.6 | 29 |
| 67 | The expression of a specific 2-deoxyglucose-6P phosphatase prevents catabolite repression mediated by 2-deoxyglucose in yeast. <i>Current Genetics</i> , 1995, 28, 101-107. | 0.8 | 28 |
| 68 | Human pancreatic glucokinase (GlkB) complements the glucose signalling defect of <i>Saccharomyces cerevisiae</i> hxc2 mutants. <i>Yeast</i> , 2001, 18, 1309-1316. | 0.8 | 28 |
| 69 | Histone carbonylation occurs in proliferating cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1453-1464. | 1.3 | 28 |
| 70 | Oxidative stress, a new hallmark in the pathophysiology of Lafora progressive myoclonus epilepsy. <i>Free Radical Biology and Medicine</i> , 2015, 88, 30-41. | 1.3 | 28 |
| 71 | Homeostasis of the astrocytic glutamate transporter GLT-1 is altered in mouse models of Lafora disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1074-1083. | 1.8 | 27 |
| 72 | Combined Expression of <i>Aspergillus nidulans</i> Endoxylanase X24 and <i>Aspergillus oryzae</i> (alpha)-Amylase in Industrial Baker's Yeasts and Their Use in Bread Making. <i>Applied and Environmental Microbiology</i> , 1996, 62, 3712-3715. | 1.4 | 27 |

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|----|---|-----|-----------|
| 73 | TRIP6 transcriptional co-activator is a novel substrate of AMP-activated protein kinase. <i>Cellular Signalling</i> , 2006, 18, 1702-1712. | 1.7 | 26 |
| 74 | Ubiquitin conjugating enzyme E2-N and sequestosome-1 (p62) are components of the ubiquitination process mediated by the malin-laforin E3-ubiquitin ligase complex. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 69, 204-214. | 1.2 | 26 |
| 75 | Cloning and characterization of the SEC18 gene from <i>Candida albicans</i> . <i>Yeast</i> , 1993, 9, 875-887. | 0.8 | 25 |
| 76 | A Conserved Sequence Immediately N-terminal to the Bateman Domains in AMP-activated Protein Kinase β^3 Subunits Is Required for the Interaction with the β^2 Subunits. <i>Journal of Biological Chemistry</i> , 2007, 282, 16117-16125. | 1.6 | 25 |
| 77 | Laforin, a Dual Specificity Phosphatase Involved in Lafora Disease, Is Present Mainly as Monomeric Form with Full Phosphatase Activity. <i>PLoS ONE</i> , 2011, 6, e24040. | 1.1 | 25 |
| 78 | Deciphering the role of malin in the lafora progressive myoclonus epilepsy. <i>IUBMB Life</i> , 2012, 64, 801-808. | 1.5 | 25 |
| 79 | Two-hybrid analysis identifies PSMD11, a non-ATPase subunit of the proteasome, as a novel interaction partner of AMP-activated protein kinase. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2431-2439. | 1.2 | 24 |
| 80 | The laforin/malin E3-ubiquitin ligase complex ubiquitinates pyruvate kinase M1/M2. <i>BMC Biochemistry</i> , 2015, 16, 24. | 4.4 | 24 |
| 81 | Sip5 Interacts With Both the Reg1/Glc7 Protein Phosphatase and the Snf1 Protein Kinase of <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2000, 154, 99-107. | 1.2 | 24 |
| 82 | Diagnostic Difficulties in Glucokinase Hyperinsulinism. <i>Hormone and Metabolic Research</i> , 2009, 41, 320-326. | 0.7 | 23 |
| 83 | Lafora disease E3-ubiquitin ligase malin is related to TRIM32 at both the phylogenetic and functional level. <i>BMC Evolutionary Biology</i> , 2011, 11, 225. | 3.2 | 23 |
| 84 | AMPK in Yeast: The SNF1 (Sucrose Non-fermenting 1) Protein Kinase Complex. <i>Exs</i> , 2016, 107, 353-374. | 1.4 | 23 |
| 85 | TOR kinase pathway and 14-3-3 proteins regulate glucose-induced expression of HXT1, a yeast low-affinity glucose transporter. <i>Yeast</i> , 2005, 22, 471-479. | 0.8 | 22 |
| 86 | Degradation of altered mitochondria by autophagy is impaired in Lafora disease. <i>FEBS Journal</i> , 2018, 285, 2071-2090. | 2.2 | 22 |
| 87 | Malin knockout mice support a primary role of autophagy in the pathogenesis of Lafora disease. <i>Autophagy</i> , 2012, 8, 701-703. | 4.3 | 21 |
| 88 | Signal recognition particle (SRP) stabilizes the translocation-competent conformation of pre-secretory proteins. <i>EMBO Journal</i> , 1988, 7, 3553-7. | 3.5 | 21 |
| 89 | Expression of <i>Aspergillus oryzae</i> α -amylase gene in <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 1993, 112, 119-124. | 0.7 | 20 |
| 90 | Lafora progressive myoclonus epilepsy: NHLRC1 mutations affect glycogen metabolism. <i>Journal of Molecular Medicine</i> , 2011, 89, 915-925. | 1.7 | 20 |

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|-----|---|-----|-----------|
| 91 | Regulation of the autophagic PI3KC3 complex by laforin/malin E3-ubiquitin ligase, two proteins involved in Lafora disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118613. | 1.9 | 20 |
| 92 | Modulators of Neuroinflammation Have a Beneficial Effect in a Lafora Disease Mouse Model. <i>Molecular Neurobiology</i> , 2021, 58, 2508-2522. | 1.9 | 19 |
| 93 | Structure-function analysis of the α 5 and the α 13 helices of human glucokinase: Description of two novel activating mutations. <i>Protein Science</i> , 2005, 14, 2080-2086. | 3.1 | 18 |
| 94 | Neuroinflammation and progressive myoclonus epilepsies: from basic science to therapeutic opportunities. <i>Expert Reviews in Molecular Medicine</i> , 2020, 22, e4. | 1.6 | 18 |
| 95 | Construction of Baker's Yeast Strains that Secrete Different Xylanolytic Enzymes and their use in Bread Making. <i>Journal of Cereal Science</i> , 1997, 26, 195-199. | 1.8 | 17 |
| 96 | Expression and secretion of Bacillus polymyxaneopullulanase in Saccharomyces cerevisiae. <i>FEMS Microbiology Letters</i> , 1999, 170, 41-49. | 0.7 | 17 |
| 97 | The Saccharomyces cerevisiae 14-3-3 protein Bmh2 is required for regulation of the phosphorylation status of Fin1, a novel intermediate filament protein. <i>Biochemical Journal</i> , 2002, 365, 51-56. | 1.7 | 17 |
| 98 | The 5th International Lafora Epilepsy Workshop: Basic science elucidating therapeutic options and preparing for therapies in the clinic. <i>Epilepsy and Behavior</i> , 2020, 103, 106839. | 0.9 | 17 |
| 99 | The PP1 α 6 protein phosphatase holoenzyme is involved in the glucose-induced dephosphorylation and inactivation of AMP-activated protein kinase, a key regulator of insulin secretion, in MIN6 β cells. <i>FASEB Journal</i> , 2010, 24, 5080-5091. | 0.2 | 17 |
| 100 | Characterization of novel neopullulanase from Bacillus polymyxa. <i>Applied Biochemistry and Biotechnology</i> , 1997, 68, 113-120. | 1.4 | 16 |
| 101 | Laforin, a dual specificity phosphatase involved in Lafora disease, regulates insulin response and whole-body energy balance in mice. <i>Human Molecular Genetics</i> , 2011, 20, 2571-2584. | 1.4 | 16 |
| 102 | Beneficial Effects of Metformin on the Central Nervous System, with a Focus on Epilepsy and Lafora Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5351. | 1.8 | 16 |
| 103 | Secretory pattern of a major integral mannoprotein of the yeast cell wall. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1987, 924, 193-203. | 1.1 | 15 |
| 104 | Dimerization of the Glucan Phosphatase Laforin Requires the Participation of Cysteine 329. <i>PLoS ONE</i> , 2013, 8, e69523. | 1.1 | 15 |
| 105 | Studying Closed Hydrodynamic Models of <i>In Vivo</i> DNA Perfusion in Pig Liver for Gene Therapy Translation to Humans. <i>PLoS ONE</i> , 2016, 11, e0163898. | 1.1 | 15 |
| 106 | In vivo glutamate clearance defects in a mouse model of Lafora disease. <i>Experimental Neurology</i> , 2019, 320, 112959. | 2.0 | 15 |
| 107 | Disseminated Intravascular Coagulation and Mesenteric Venous Thrombosis in Fatal Amanita Poisoning. <i>Human Toxicology</i> , 1988, 7, 199-201. | 0.9 | 14 |
| 108 | Lafora disease fibroblasts exemplify the molecular interdependence between thioredoxin 1 and the proteasome in mammalian cells. <i>Free Radical Biology and Medicine</i> , 2013, 65, 347-359. | 1.3 | 14 |

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|-----|---|-----|-----------|
| 109 | Synergistic activation of AMPK prevents from polyglutamine-induced toxicity in <i>Caenorhabditis elegans</i> . <i>Pharmacological Research</i> , 2020, 161, 105105. | 3.1 | 14 |
| 110 | Cannabidiol-Enriched Extract Reduced the Cognitive Impairment but Not the Epileptic Seizures in a Lafora Disease Animal Model. <i>Cannabis and Cannabinoid Research</i> , 2020, 5, 150-163. | 1.5 | 13 |
| 111 | Biochemical characterization of novel glucokinase mutations isolated from Spanish maturity-onset diabetes of the young (MODY2) patients. <i>Journal of Human Genetics</i> , 2008, 53, 460-466. | 1.1 | 12 |
| 112 | Yeast as a model system to study glucose-mediated signalling and response. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 2358. | 3.0 | 12 |
| 113 | Fatal mushroom poisoning in Barcelona, 1986?1988. <i>Mycopathologia</i> , 1989, 108, 207-209. | 1.3 | 11 |
| 114 | Gene expression analysis method integration and co-expression module detection applied to rare glucide metabolism disorders using ExpHunterSuite. <i>Scientific Reports</i> , 2021, 11, 15062. | 1.6 | 11 |
| 115 | The <i>Bacillus subtilis</i> lipoprotein LpIA causes cell lysis when expressed in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 1994, 140, 1839-1845. | 0.7 | 10 |
| 116 | Glucoseâ€dependent regulation of AMPâ€activated protein kinase in MIN6 beta cells is not affected by the protein kinase A pathway. <i>FEBS Letters</i> , 2012, 586, 4241-4247. | 1.3 | 10 |
| 117 | A novel EPM2A mutation yields a slow progression form of Lafora disease. <i>Epilepsy Research</i> , 2018, 145, 169-177. | 0.8 | 10 |
| 118 | TRIM32 and Malin in Neurological and Neuromuscular Rare Diseases. <i>Cells</i> , 2021, 10, 820. | 1.8 | 10 |
| 119 | Role of glycosylation in the incorporation of intrinsic mannoproteins into cell walls of <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 1989, 57, 265-268. | 0.7 | 9 |
| 120 | Endocytosis of the glutamate transporter 1 is regulated by laforin and malin: Implications in <scp>Lafora</scp> disease. <i>Glia</i> , 2021, 69, 1170-1183. | 2.5 | 9 |
| 121 | Human pancreatic Î²-cell glucokinase: subcellular localization and glucose repression signalling function in the yeast cell. <i>Biochemical Journal</i> , 2008, 415, 233-239. | 1.7 | 8 |
| 122 | Structure-Function Analysis of PPP1R3D, a Protein Phosphatase 1 Targeting Subunit, Reveals a Binding Motif for 14-3-3 Proteins which Regulates its Glycogenic Properties. <i>PLoS ONE</i> , 2015, 10, e0131476. | 1.1 | 8 |
| 123 | The interaction between AMPKÎ²2 and the PP1-targeting subunit R6 is dynamically regulated by intracellular glycogen content. <i>Biochemical Journal</i> , 2016, 473, 937-947. | 1.7 | 8 |
| 124 | An empirical pipeline for personalized diagnosis of Lafora disease mutations. <i>IScience</i> , 2021, 24, 103276. | 1.9 | 7 |
| 125 | Nucleotide sequence of a putative peroxisomal protein from the yeast <i>Lipomyces kononenkoae</i> . <i>FEMS Microbiology Letters</i> , 1994, 122, 153-157. | 0.7 | 6 |
| 126 | New mutations of that partially relieve both glucose and galactose repression activate the protein kinase Snf1. <i>FEMS Yeast Research</i> , 2003, 3, 77-84. | 1.1 | 6 |

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|-----|---|-----|-----------|
| 127 | Title is missing!. <i>Biotechnology Letters</i> , 1999, 21, 225-229. | 1.1 | 5 |
| 128 | Pharmacological Modulation of Glutamatergic and Neuroinflammatory Pathways in a Lafora Disease Mouse Model. <i>Molecular Neurobiology</i> , 2022, 59, 6018-6032. | 1.9 | 5 |
| 129 | Disruption and functional analysis of six ORFs on chromosome IV: YDL053c, YDL072c, YDL073w, YDL076c, YDL077c and YDL080c. <i>Yeast</i> , 2000, 16, 1437-1443. | 0.8 | 4 |
| 130 | Increased oxidative stress and impaired antioxidant response in Lafora disease. <i>Free Radical Biology and Medicine</i> , 2014, 75, S47. | 1.3 | 4 |
| 131 | Assessing the Biological Activity of the Glucan Phosphatase Laforin. <i>Methods in Molecular Biology</i> , 2016, 1447, 107-119. | 0.4 | 3 |
| 132 | AMPK Protein Interaction Analyses by Yeast Two-Hybrid. <i>Methods in Molecular Biology</i> , 2018, 1732, 143-157. | 0.4 | 3 |
| 133 | Neuroprotective Effect of IND1316, an Indole-Based AMPK Activator, in Animal Models of Huntington Disease. <i>ACS Chemical Neuroscience</i> , 2022, 13, 275-287. | 1.7 | 3 |
| 134 | Lafora bodies and neurological defects in malin-deficient mice correlate with impaired autophagy. <i>Human Molecular Genetics</i> , 2012, 21, 4366-4366. | 1.4 | 1 |
| 135 | Receptor-mediated binding of secretory protein precursors to endoplasmic reticulum membranes in yeast. <i>Biochemical Society Transactions</i> , 1990, 18, 143-146. | 1.6 | 0 |
| 136 | The <i>Bacillus subtilis</i> <i>lplA</i> gene is a component of a cluster coding for a putative ABC transporter.. <i>Journal of General and Applied Microbiology</i> , 1995, 41, 523-528. | 0.4 | 0 |