Lynne Yenush

List of Publications by Year
in descending order

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58 papers	5,433 citations	126708 33 h-index	149479 56 g-index
61 all docs	61 docs citations	61 times ranked	5290 citing authors

#	Article	IF	Citations
1	The c-Jun NH2-terminal Kinase Promotes Insulin Resistance during Association with Insulin Receptor Substrate-1 and Phosphorylation of Ser307. Journal of Biological Chemistry, 2000, 275, 9047-9054.	1.6	1,216
2	Role of IRS-2 in insulin and cytokine signalling. Nature, 1995, 377, 173-177.	13.7	834
3	The IRS-signalling system during insulin and cytokine action. BioEssays, 1997, 19, 491-500.	1.2	271
4	The IRS-Signaling System: A Network of Docking Proteins That Mediate Insulin and Cytokine Action. Current Topics in Microbiology and Immunology, 1998, 228, 179-208.	0.7	220
5	Role of IRS-1-GRB-2 complexes in insulin signaling.. Molecular and Cellular Biology, 1994, 14, 3577-3587.	1.1	205
6	Interferon-Î± Engages the Insulin Receptor Substrate-1 to Associate with the Phosphatidylinositol 3â€²-Kinase. Journal of Biological Chemistry, 1995, 270, 15938-15941.	1.6	177
7	The Pleckstrin Homology Domain Is the Principle Link between the Insulin Receptor and IRS-1. Journal of Biological Chemistry, 1996, 271, 24300-24306.	1.6	156
8	DNA-binding and trans-activation properties of Drosophila E2F and DP proteins.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6359-6363.	3.3	153
9	The IRS-2 Gene on Murine Chromosome 8 Encodes a Unique Signaling Adapter for Insulin and Cytokine Action. Molecular Endocrinology, 1997, 11, 251-262.	3.7	133
10	The Ppz protein phosphatases are key regulators of K+ and pH homeostasis: implications for salt tolerance, cell wall integrity and cell cycle progression. EMBO Journal, 2002, 21, 920-929.	3.5	125
11	The translation initiation factor eIF1A is an important determinant in the tolerance to NaCl stress in yeast and plants. Plant Journal, 2003, 34, 257-267.	2.8	111
12	The Drosophila Insulin Receptor Activates Multiple Signaling Pathways but Requires Insulin Receptor Substrate Proteins for DNA Synthesis. Molecular and Cellular Biology, 1996, 16, 2509-2517.	1.1	88
13	YMXM Motifs and Signaling by an Insulin Receptor Substrate 1 Molecule without Tyrosine Phosphorylation Sites. Molecular and Cellular Biology, 1996, 16, 4147-4155.	1.1	87
14	ARABIDOPSIS THALIANA HOMEOBOX25 Uncovers a Role for Gibberellins in Seed Longevity. Plant Physiology, 2014, 164, 999-1010.	2.3	86
15	pH-Responsive, Posttranslational Regulation of the Trk1 Potassium Transporter by the Type 1-Related Ppz1 Phosphatase. Molecular and Cellular Biology, 2005, 25, 8683-8692.	1.1	84
16	The 60 kDa Insulin Receptor Substrate Functions Like an IRS Protein (pp60IRS3) in Adipose Cells. Biochemistry, 1997, 36, 8304-8310.	1.2	83
17	The Pleckstrin Homology and Phosphotyrosine Binding Domains of Insulin Receptor Substrate 1 Mediate Inhibition of Apoptosis by Insulin. Molecular and Cellular Biology, 1998, 18, 6784-6794.	1.1	81
18	Insulin receptor substrate-2 amino acid polymorphisms are not associated with random type 2 diabetes among Caucasians. Diabetes, 1998, 47, 976-979.	0.3	78

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19	Regulation of ENA1 Na + -ATPase Gene Expression by the Ppz1 Protein Phosphatase Is Mediated by the Calcineurin Pathway. Eukaryotic Cell, 2003, 2, 937-948.	3.4	68
20	X-ray structure of yeast hal2p, a major target of lithium and sodium toxicity, and identification of framework interactions determining cation sensitivity. Journal of Molecular Biology, 2000, 295, 927-938.	2.0	66
21	Response of the Saccharomyces cerevisiae Mpk1 Mitogen-Activated Protein Kinase Pathway to Increases in Internal Turgor Pressure Caused by Loss of Ppz Protein Phosphatases. Eukaryotic Cell, 2004, 3, 100-107.	3.4	62
22	Heterologous Pleckstrin Homology Domains Do Not Couple IRS-1 to the Insulin Receptor. Journal of Biological Chemistry, 1997, 272, 27716-27721.	1.6	57
23	Shared and novel molecular responses of mandarin to drought. Plant Molecular Biology, 2009, 70, 403-420.	2.0	57
24	A Genomewide Screen for Tolerance to Cationic Drugs Reveals Genes Important for Potassium Homeostasis in Saccharomyces cerevisiae. Eukaryotic Cell, 2011, 10, 1241-1250.	3.4	53
25	Salicylic Acid Is Involved in the Basal Resistance of Tomato Plants to Citrus Exocortis Viroid and Tomato Spotted Wilt Virus. PLoS ONE, 2016, 11, e0166938.	1.1	50
26	FungalBraid: A GoldenBraid-based modular cloning platform for the assembly and exchange of DNA elements tailored to fungal synthetic biology. Fungal Genetics and Biology, 2018, 116, 51-61.	0.9	45
27	Potassium and Sodium Transport in Yeast. Advances in Experimental Medicine and Biology, 2016, 892, 187-228.	0.8	44
28	Key Role for Intracellular K + and Protein Kinases Sat4/Hal4 and Hal5 in the Plasma Membrane Stabilization of Yeast Nutrient Transporters. Molecular and Cellular Biology, 2007, 27, 5725-5736.	1.1	43
29	Functional specialization of duplicated AP3â€like genes in Medicago truncatula. Plant Journal, 2013, 73, 663-675.	2.8	43
30	The X-ray structure of the FMN-binding protein AtHal3 provides the structural basis for the activity of a regulatory subunit involved in signal transduction. Structure, 2000, 8, 961-969.	1.6	42
31	Regulation of the Yeast Hxt6 Hexose Transporter by the Rod1 Î±-Arrestin, the Snf1 Protein Kinase, and the Bmh2 14-3-3 Protein. Journal of Biological Chemistry, 2016, 291, 14973-14985.	1.6	41
32	Crystal structure of an enzyme displaying both inositol-polyphosphate-1-phosphatase and 3â€²-phosphoadenosine-5â€²-phosphate phosphatase activities: a novel target of lithium therapy 1 1Edited by R. Huber. Journal of Molecular Biology, 2002, 315, 677-685.	2.0	40
33	Evolution by gene duplication ofMedicago truncatula PISTILLATA-like transcription factors. Journal of Experimental Botany, 2016, 67, 1805-1817.	2.4	38
34	Potassium Starvation in Yeast: Mechanisms of Homeostasis Revealed by Mathematical Modeling. PLoS Computational Biology, 2012, 8, e1002548.	1.5	37
35	Role of the yeast multidrug transporter Qdr2 in cation homeostasis and the oxidative stress response. FEMS Yeast Research, 2013, 13, 97-106.	1.1	33
36	A novel target of lithium therapy. FEBS Letters, 2000, 467, 321-325.	1.3	30

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37	An Arabidopsis quiescin-sulfhydryl oxidase regulates cation homeostasis at the root symplastâ€“xylem interface. EMBO Journal, 2007, 26, 3203-3215.	3.5	29
38	Arabidopsis <scp>COGWHEEL</scp>1 links light perception and gibberellins with seed tolerance to deterioration. Plant Journal, 2016, 87, 583-596.	2.8	28
39	Regulation of Trkâ€dependent potassium transport by the calcineurin pathway involves the Hal5 kinase. FEBS Letters, 2010, 584, 2415-2420.	1.3	26
40	The role of K⁺ and H⁺ transport systems during glucoseâ€•and H₂O₂â€induced cell death in Saccharomyces cerevisiae. Yeast, 2010, 27, 713-725.	0.8	26
41	Hal4 and Hal5 Protein Kinases Are Required for General Control of Carbon and Nitrogen Uptake and Metabolism. Eukaryotic Cell, 2010, 9, 1881-1890.	3.4	25
42	BCL2-ASSOCIATED ATHANOGENE4 Regulates the KAT1 Potassium Channel and Controls Stomatal Movement. Plant Physiology, 2019, 181, 1277-1294.	2.3	25
43	Saccharomyces cerevisiae as a Tool to Investigate Plant Potassium and Sodium Transporters. International Journal of Molecular Sciences, 2019, 20, 2133.	1.8	20
44	Regulation of the Na+/K+-ATPase Ena1 Expression by Calcineurin/Crz1 under High pH Stress: A Quantitative Study. PLoS ONE, 2016, 11, e0158424.	1.1	19
45	Systems Biology of Monovalent Cation Homeostasis in Yeast. Advances in Microbial Physiology, 2014, 64, 1-63.	1.0	18
46	A functional Rim101 complex is required for proper accumulation of the Ena1 Na+-ATPase protein in response to salt stress in Saccharomyces cerevisiae. FEMS Yeast Research, 2015, 15, fov017.	1.1	18
47	Editorial: Ion Homeostasis in Plant Stress and Development. Frontiers in Plant Science, 2020, 11, 618273.	1.7	17
48	Distinctive Traits for Drought and Salt Stress Tolerance in Melon (Cucumis melo L.). Frontiers in Plant Science, 2021, 12, 777060.	1.7	16
49	Endocytic regulation of alkali metal transport proteins in mammals, yeast and plants. Current Genetics, 2013, 59, 207-230.	0.8	15
50	Multigene Engineering by GoldenBraid Cloning: From Plants to Filamentous Fungi and Beyond. Current Protocols in Molecular Biology, 2020, 130, e116.	2.9	15
51	Physiological and Molecular Characterization of the Differential Response of Broccoli (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlo Stress. Journal of Agricultural and Food Chemistry, 2021, 69, 10394-10404.	2.4	13
52	Identification of distinctive physiological and molecular responses to salt stress among tolerant and sensitive cultivars of broccoli (Brassica oleracea var. Italica). BMC Plant Biology, 2021, 21, 488.	1.6	12
53	Reciprocal Regulation of Target of Rapamycin Complex 1 and Potassium Accumulation. Journal of Biological Chemistry, 2017, 292, 563-574.	1.6	11
54	Genetic alterations leading to increases in internal potassium concentrations are detrimental for DNA integrity in Saccharomyces cerevisiae. Genes To Cells, 2011, 16, 152-165.	0.5	8

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55	Yeast Saccharomyces cerevisiae adiponectin receptor homolog Izh2 is involved in the regulation of zinc, phospholipid and pH homeostasis. Metallomics, 2015, 7, 1338-1351.	1.0	8
56	Seed coat lignification level is crucial in Capsicum spp seed longevity. Physiologia Plantarum, 2021, , e13600.	2.6	2
57	O-28: Characterization of IRS-1 molecules containing single SH2-protein binding determinants. Experimental and Clinical Endocrinology and Diabetes, 1996, 104, 37-38.	0.6	0
58	O-25: Purification and cloning of IRS-2 reveals the molecular bases of IRS-proteins in insulin and cytokine signaling. Experimental and Clinical Endocrinology and Diabetes, 1996, 104, 34-35.	0.6	0