

# Sebastien Leon

## List of Publications by Year in descending order

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37  
papers

2,082  
citations

304743

22  
h-index

345221

36  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Severe osmotic compression triggers a slowdown of intracellular signaling, which can be explained by molecular crowding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5725-5730.	7.1	176
2	The AtNFS2 gene from <i>Arabidopsis thaliana</i> encodes a NifS-like plastidial cysteine desulphurase. <i>Biochemical Journal</i> , 2002, 366, 557-564.	3.7	127
3	A molecular switch on an arrestin-like protein relays glucose signaling to transporter endocytosis. <i>Journal of Cell Biology</i> , 2012, 196, 247-259.	5.2	123
4	Uniqueness of the mechanism of protein import into the peroxisome matrix: Transport of folded, co-factor-bound and oligomeric proteins by shuttling receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 1552-1564.	4.1	115
5	Dynamics of the peroxisomal import cycle of PpPex20p: Ubiquitin-dependent localization and regulation. <i>Journal of Cell Biology</i> , 2006, 172, 67-78.	5.2	115
6	A Perturbed Ubiquitin Landscape Distinguishes Between Ubiquitin in Trafficking and in Proteolysis. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.009753.	3.8	115
7	Iron-sulphur cluster assembly in plants: distinct NFU proteins in mitochondria and plastids from <i>Arabidopsis thaliana</i> . <i>Biochemical Journal</i> , 2003, 371, 823-830.	3.7	113
8	Metabolic changes associated with cluster root development in white lupin ( <i>Lupinus albus</i> L.): relationship between organic acid excretion, sucrose metabolism and energy status. <i>Planta</i> , 2001, 213, 534-542.	3.2	103
9	Endocytosis-mediated siderophore uptake as a strategy for Fe acquisition in diatoms. <i>Science Advances</i> , 2018, 4, eaar4536.	10.3	103
10	Versatile role of the yeast ubiquitin ligase Rsp5p in intracellular trafficking. <i>Biochemical Society Transactions</i> , 2008, 36, 791-796.	3.4	95
11	Ubiquitin ligase adaptors: Regulators of ubiquitylation and endocytosis of plasma membrane proteins. <i>Experimental Cell Research</i> , 2009, 315, 1574-1583.	2.6	90
12	A Conserved Cysteine Residue of <i>Pichia pastoris</i> Pex20p Is Essential for Its Recycling from the Peroxisome to the Cytosol. <i>Journal of Biological Chemistry</i> , 2007, 282, 7424-7430.	3.4	80
13	Ubiquitin-Mediated Regulation of Endocytosis by Proteins of the Arrestin Family. <i>Biochemistry Research International</i> , 2012, 2012, 1-12.	3.3	79
14	Ear1p and Ssh4p Are New Adaptors of the Ubiquitin Ligase Rsp5p for Cargo Ubiquitylation and Sorting at Multivesicular Bodies. <i>Molecular Biology of the Cell</i> , 2008, 19, 2379-2388.	2.1	78
15	Integrated control of transporter endocytosis and recycling by the arrestin-related protein Rod1 and the ubiquitin ligase Rsp5. <i>ELife</i> , 2014, 3, .	6.0	68
16	Cellular toxicity of the metabolic inhibitor 2-deoxyglucose and associated resistance mechanisms. <i>Biochemical Pharmacology</i> , 2020, 182, 114213.	4.4	53
17	Multilevel regulation of an $\hat{\text{I}}\pm$ -arrestin by glucose depletion controls hexose transporter endocytosis. <i>Journal of Cell Biology</i> , 2017, 216, 1811-1831.	5.2	51
18	A dual role for K63-linked ubiquitin chains in multivesicular body biogenesis and cargo sorting. <i>Molecular Biology of the Cell</i> , 2012, 23, 2170-2183.	2.1	49

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19	Two Independent Pathways Traffic the Intraperoxisomal Peroxin PpPex8p into Peroxisomes: Mechanism and Evolutionary Implications. <i>Molecular Biology of the Cell</i> , 2006, 17, 690-699.	2.1	42
20	Mitochondrial localization of Arabidopsis thaliana Fe-S scaffold proteins. <i>FEBS Letters</i> , 2005, 579, 1930-1934.	2.8	40
21	<i>YPR139c/LOA1</i> encodes a novel lysophosphatidic acid acyltransferase associated with lipid droplets and involved in TAG homeostasis. <i>Molecular Biology of the Cell</i> , 2012, 23, 233-246.	2.1	39
22	The $\beta$ -arrestin family of ubiquitin ligase adaptors links metabolism with selective endocytosis. <i>Biology of the Cell</i> , 2021, 113, 183-219.	2.0	38
23	The yeast arrestin-related protein Bul1 is a novel actor of glucose-induced endocytosis. <i>Molecular Biology of the Cell</i> , 2018, 29, 1012-1020.	2.1	23
24	Complementary $\beta$ -arrestin-ubiquitin ligase complexes control nutrient transporter endocytosis in response to amino acids. <i>ELife</i> , 2020, 9, .	6.0	23
25	Casein kinase 1 controls the activation threshold of an $\beta$ -arrestin by multisite phosphorylation of the interdomain hinge. <i>Molecular Biology of the Cell</i> , 2015, 26, 2128-2138.	2.1	21
26	A Mechanism for Protein Monoubiquitination Dependent on a trans-Acting Ubiquitin-binding Domain. <i>Journal of Biological Chemistry</i> , 2013, 288, 16206-16211.	3.4	20
27	The <i>Saccharomyces cerevisiae</i> vacuolar acid trehalase is targeted at the cell surface for its physiological function. <i>FEBS Journal</i> , 2009, 276, 5432-5446.	4.7	18
28	The induction of HAD-like phosphatases by multiple signaling pathways confers resistance to the metabolic inhibitor 2-deoxyglucose. <i>Science Signaling</i> , 2019, 12, .	3.6	18
29	Ubiquitination-dependent control of sexual differentiation in fission yeast. <i>ELife</i> , 2017, 6, .	6.0	15
30	Ubc13-Mms2 cooperates with a family of RING E3s in membrane protein sorting. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	11
31	Sensitive detection of protein ubiquitylation using a protein fragment complementation assay. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	10
32	A Deubiquitylating Complex Required for Neosynthesis of a Yeast Mitochondrial ATP Synthase Subunit. <i>PLoS ONE</i> , 2012, 7, e38071.	2.5	8
33	Studying Protein Ubiquitylation in Yeast. <i>Methods in Molecular Biology</i> , 2016, 1449, 117-142.	0.9	8
34	Functional patchworking at the plasma membrane. <i>EMBO Journal</i> , 2018, 37, .	7.8	4
35	Characterization of Protein-Protein Interactions. <i>Methods in Molecular Biology</i> , 2007, 389, 219-237.	0.9	2
36	Endocytosis and stress: From mechanisms to cellular physiology. <i>Biology of the Cell</i> , 2021, 113, 439-440.	2.0	2

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37	The Role of Shuttling Targeting Signal Receptors and Heat Shock Proteins in Peroxisomal Matrix Protein Import. <i>The Enzymes</i> , 2007, 25, 525-540.	1.7	0