Stephen B Helliwell

List of Publications by Year
in descending order

25 papers	2,284 citations	394421 19 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	5355 citing authors

#	Article	IF	Citations
1	Auxin-Inducible Depletion of the Essentialome Suggests Inhibition of TORC1 by Auxins and Inhibition of Vrg4 by SDZ 90-215, a Natural Antifungal Cyclopeptide. G3: Genes, Genomes, Genetics, 2019, 9, 829-840.	1.8	16
2	Preferential amplification of a human mitochondrial DNA deletion in vitro and in vivo. Scientific Reports, 2018, 8, 1799.	3.3	30
3	Genome-wide CRISPR screen for PARKIN regulators reveals transcriptional repression as a determinant of mitophagy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E180-E189.	7.1	73
4	Target of rapamycin complex 2â€“dependent phosphorylation of the coat protein Pan1 by Akl1 controls endocytosis dynamics in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2018, 293, 12043-12053.	3.4	23
5	Two low complexity ultra-high throughput methods to identify diverse chemically bioactive molecules using Saccharomyces cerevisiae. Microbiological Research, 2017, 199, 10-18.	5.3	7
6	Stendomycin selectively inhibits TIM23-dependent mitochondrial protein import. Nature Chemical Biology, 2017, 13, 1239-1244.	8.0	24
7	High-Resolution Genetics Identifies the Lipid Transfer Protein Sec14p as Target for Antifungal Ergolines. PLoS Genetics, 2016, 12, e1006374.	3.5	22
8	FR171456 is a specific inhibitor of mammalian NSDHL and yeast Erg26p. Nature Communications, 2015, 6, 8613.	12.8	15
9	Target of Rapamycin Complex 2 Regulates Actin Polarization and Endocytosis via Multiple Pathways. Journal of Biological Chemistry, 2015, 290, 14963-14978.	3.4	72
10	High-resolution chemical dissection of a model eukaryote reveals targets, pathways and gene functions. Microbiological Research, 2014, 169, 107-120.	5.3	142
11	Selective VPS34 inhibitor blocks autophagy and uncovers a role for NCOA4 in ferritin degradation and iron homeostasis in vivo. Nature Cell Biology, 2014, 16, 1069-1079.	10.3	534
12	TORC2 Signaling Pathway Guarantees Genome Stability in the Face of DNA Strand Breaks. Molecular Cell, 2013, 51, 829-839.	9.7	71
13	Evidence for a Functionally Relevant Rocaglamide Binding Site on the eIF4Aâ€“RNA Complex. ACS Chemical Biology, 2013, 8, 1519-1527.	3.4	102
14	An Integrated Approach for Identification and Target Validation of Antifungal Compounds Active against Erg11p. Antimicrobial Agents and Chemotherapy, 2012, 56, 4233-4240.	3.2	23
15	Pmr1, a Golgi Ca2+/Mn2+-ATPase, is a regulator of the target of rapamycin (TOR) signaling pathway in yeast. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17840-17845.	7.1	35
16	NPR1 Kinase and RSP5-BUL1/2 Ubiquitin Ligase Control GLN3-dependent Transcription in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2004, 279, 37512-37517.	3.4	46
17	Protein-Protein Interactions of ESCRT Complexes in the Yeast Saccharomyces cerevisiae. Traffic, 2004, 5, 194-210.	2.7	180
18	Yeast Protein Kinases and the RHO1 Exchange Factor TUS1 Are Novel Components of the Cell Integrity Pathway in Yeast. Molecular and Cellular Biology, 2002, 22, 1329-1339.	2.3	127

#	Article	IF	Citations
19	Components of a Ubiquitin Ligase Complex Specify Polyubiquitination and Intracellular Trafficking of the General Amino Acid Permease. Journal of Cell Biology, 2001, 153, 649-662.	5.2	256
20	Eap1p, a Novel Eukaryotic Translation Initiation Factor 4E-Associated Protein in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2000, 20, 4604-4613.	2.3	118
21	CLN3 expression is sufficient to restore G1-to-S-phase progression in Saccharomyces cerevisiae mutants defective in translation initiation factor eIF4E. Biochemical Journal, 1999, 340, 135-141.	3.7	49
22	The Rho1 effector Pkc1, but not Bni1, mediates signalling from Tor2 to the actin cytoskeleton. Current Biology, 1998, 8, 1211-S2.	3.9	148
23	TOR2 Is Part of Two Related Signaling Pathways Coordinating Cell Growth in Saccharomyces cerevisiae. Genetics, 1998, 148, 99-112.	2.9	152
24	A novel Kex2 enzyme can process the proregion of the yeast alpha-factor leader in the endoplasmic reticulum instead of in the Golgi. Biochemical and Biophysical Research Communications, 1992, 183, 212-219.	2.1	12
25	A Lys27-to-Glu27mutation in the human insulin-like growth factor-1 prevents disulfide linked dimerization and allows secretion of BiP when expressed in yeast. FEBS Letters, 1991, 294, 213-216.	2.8	7