

# Per Sunnerhagen

## List of Publications by Year in descending order

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95  
papers

3,581  
citations

159585

30  
h-index

144013

57  
g-index

100  
all docs

100  
docs citations

100  
times ranked

5175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma exosomes can deliver exogenous short interfering RNA to monocytes and lymphocytes. <i>Nucleic Acids Research</i> , 2012, 40, e130-e130.	14.5	589
2	Characterization of <i>Schizosaccharomyces pombe</i> Hus1: a PCNA-Related Protein That Associates with Rad1 and Rad9. <i>Molecular and Cellular Biology</i> , 2000, 20, 1254-1262.	2.3	222
3	Linkage between endosomal escape of LNP-mRNA and loading into EVs for transport to other cells. <i>Nature Communications</i> , 2019, 10, 4333.	12.8	211
4	Identification of RNA-binding proteins in exosomes capable of interacting with different types of RNA: RBP-facilitated transport of RNAs into exosomes. <i>PLoS ONE</i> , 2018, 13, e0195969.	2.5	185
5	Rck1 and Rck2 MAPKAP kinases and the HOG pathway are required for oxidative stress resistance. <i>Molecular Microbiology</i> , 2004, 53, 1743-1756.	2.5	162
6	Rck2 Kinase Is a Substrate for the Osmotic Stress-Activated Mitogen-Activated Protein Kinase Hog1. <i>Molecular and Cellular Biology</i> , 2000, 20, 3887-3895.	2.3	132
7	Functional analysis of yeast gene families involved in metabolism of vitamins B1 and B6. <i>Yeast</i> , 2002, 19, 1261-1276.	1.7	89
8	Ancient Evolutionary Trade-Offs between Yeast Ploidy States. <i>PLoS Genetics</i> , 2013, 9, e1003388.	3.5	85
9	Isolation and characterization of the <i>Schizosaccharomyces pombe</i> rad3 gene, involved in the DNA damage and DNA synthesis checkpoints. <i>Gene</i> , 1992, 119, 83-89.	2.2	81
10	mRNA stability changes precede changes in steady-state mRNA amounts during hyperosmotic stress. <i>Rna</i> , 2009, 15, 600-614.	3.5	80
11	Regulation of Telomere Length by Checkpoint Genes in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , 1998, 9, 611-621.	2.1	73
12	The HOG Pathway Dictates the Short-Term Translational Response after Hyperosmotic Shock. <i>Molecular Biology of the Cell</i> , 2010, 21, 3080-3092.	2.1	67
13	Cloning and analysis of a gene involved in DNA repair and recombination, the rad1 gene of <i>Schizosaccharomyces pombe</i> . <i>Molecular and Cellular Biology</i> , 1990, 10, 3750-3760.	2.3	66
14	Depletion of eIF4G from yeast cells narrows the range of translational efficiencies genome-wide. <i>BMC Genomics</i> , 2011, 12, 68.	2.8	60
15	Design, Synthesis, and Biological Evaluation of Chromone-Based p38 MAP Kinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7427-7431.	6.4	50
16	Molecular cloning and characterization of small polydisperse circular DNA from mouse 3T6 cells. <i>Nucleic Acids Research</i> , 1986, 14, 7823-7838.	14.5	48
17	Evolution and Cellular Function of Monothiol Glutaredoxins: Involvement in Iron-Sulphur Cluster Assembly. <i>Comparative and Functional Genomics</i> , 2004, 5, 328-341.	2.0	47
18	Preparation of 3-Substituted-1-Isopropyl-1 <i>H</i> -pyrazolo[3,4- <i>d</i> ]pyrimidin-4-amines as RET Kinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4872-4876.	6.4	47

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19	The ATM and ATR inhibitors CGK733 and caffeine suppress cyclin D1 levels and inhibit cell proliferation. <i>Radiation Oncology</i> , 2009, 4, 51.	2.7	45
20	Cellular stress induces cytoplasmic RNA granules in fission yeast. <i>Rna</i> , 2011, 17, 120-133.	3.5	45
21	Yeast mRNA cap-binding protein Cbc1/Sto1 is necessary for the rapid reprogramming of translation after hyperosmotic shock. <i>Molecular Biology of the Cell</i> , 2012, 23, 137-150.	2.1	45
22	Rck2 Is Required for Reprogramming of Ribosomes during Oxidative Stress. <i>Molecular Biology of the Cell</i> , 2006, 17, 1472-1482.	2.1	43
23	A Peroxisomal Glutathione Transferase of <i>Saccharomyces cerevisiae</i> Is Functionally Related to Sulfur Amino Acid Metabolism. <i>Eukaryotic Cell</i> , 2006, 5, 1748-1759.	3.4	41
24	Identification of putative regulatory upstream ORFs in the yeast genome using heuristics and evolutionary conservation. <i>BMC Bioinformatics</i> , 2007, 8, 295.	2.6	41
25	Stress-induced inhibition of translation independently of eIF2 $\alpha$ phosphorylation. <i>Journal of Cell Science</i> , 2015, 128, 4420-7.	2.0	41
26	Stress Granule-Defective Mutants Deregulate Stress Responsive Transcripts. <i>PLoS Genetics</i> , 2014, 10, e1004763.	3.5	40
27	<i>Plasmodium vivax</i> Biology: Insights Provided by Genomics, Transcriptomics and Proteomics. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 34.	3.9	39
28	Replication Proteins Influence the Maintenance of Telomere Length and Telomerase Protein Stability. <i>Molecular and Cellular Biology</i> , 2003, 23, 3031-3042.	2.3	35
29	Flemingins O, Cytotoxic and Antioxidant Constituents of the Leaves of <i>Flemingia grahamiana</i> . <i>Journal of Natural Products</i> , 2014, 77, 2060-2067.	3.0	35
30	The <i>Schizosaccharomyces pombe</i> rad1 gene consists of three exons and the cDNA sequence is partially homologous to the <i>Ustilago maydis</i> REC1 cDNA. <i>Gene</i> , 1994, 148, 155-159.	2.2	33
31	Two novel deduced serine/threonine protein kinases from <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1994, 139, 27-33.	2.2	33
32	The RCK1 and RCK2 protein kinase genes from <i>Saccharomyces cerevisiae</i> suppress cell cycle checkpoint mutations in <i>Schizosaccharomyces pombe</i> . <i>Molecular Genetics and Genomics</i> , 1995, 246, 316-326.	2.4	30
33	Analysis of stress granule assembly in <i>Schizosaccharomyces pombe</i> . <i>Rna</i> , 2012, 18, 694-703.	3.5	30
34	Mkp1 and Mkp2, two MAPKAP-kinase homologues in <i>Schizosaccharomyces pombe</i> , interact with the MAP kinase Sty1. <i>Molecular Genetics and Genomics</i> , 2003, 268, 585-597.	2.1	28
35	The Bre5/Ubp3 ubiquitin protease complex from budding yeast contributes to the cellular response to DNA damage. <i>DNA Repair</i> , 2007, 6, 1471-1484.	2.8	27
36	Characterization of repetitive sequence families in mouse heart small polydisperse circular DNAs: age-related studies. <i>Nucleic Acids Research</i> , 1988, 16, 3889-3906.	14.5	26

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37	Replication and expression in mammalian cells of transfected DNA; description of an improved erythrocyte ghost fusion technique. <i>Nucleic Acids Research</i> , 1983, 11, 7287-7302.	14.5	25
38	Genetic characterisation of <i>hda1+</i> , a putative fission yeast histone deacetylase gene. <i>Nucleic Acids Research</i> , 1998, 26, 3247-3254.	14.5	25
39	Antiplasmodial Quinones from <i>Pentas longiflora</i> and <i>Pentas lanceolata</i> . <i>Planta Medica</i> , 2012, 78, 31-35.	1.3	24
40	The Lsm1-7/Pat1 complex binds to stress-activated mRNAs and modulates the response to hyperosmotic shock. <i>PLoS Genetics</i> , 2018, 14, e1007563.	3.5	24
41	RAD1, a Human Structural Homolog of the <i>Schizosaccharomyces pombe</i> RAD1 Cell Cycle Checkpoint Gene. <i>Genomics</i> , 1998, 54, 344-347.	2.9	23
42	Fission Yeast Mitogen-Activated Protein Kinase Sty1 Interacts with Translation Factors. <i>Eukaryotic Cell</i> , 2008, 7, 328-338.	3.4	23
43	Sulfate Assimilation Mediates Tellurite Reduction and Toxicity in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2010, 9, 1635-1647.	3.4	22
44	hRAD17, a structural homolog of the <i>Schizosaccharomyces pombe</i> RAD17 cell cycle checkpoint gene, stimulates p53 accumulation. <i>Oncogene</i> , 1999, 18, 1689-1699.	5.9	21
45	Anthraquinones of the Roots of <i>Pentas micrantha</i> . <i>Molecules</i> , 2013, 18, 311-321.	3.8	21
46	Prospects for functional genomics in <i>Schizosaccharomyces pombe</i> . <i>Current Genetics</i> , 2002, 42, 73-84.	1.7	20
47	Cytotoxic Quinones from the Roots of <i>Aloe dawei</i> . <i>Molecules</i> , 2014, 19, 3264-3273.	3.8	19
48	Cytoplasmatic post-transcriptional regulation and intracellular signalling. <i>Molecular Genetics and Genomics</i> , 2007, 277, 341-355.	2.1	18
49	Rad3 and Sty1 function in <i>Schizosaccharomyces pombe</i> : an integrated response to DNA damage and environmental stress?. <i>Molecular Microbiology</i> , 2008, 68, 246-254.	2.5	18
50	Increase of extrachromosomal circular DNA in mouse 3T6 cells on perturbation of DNA synthesis: Implications for gene amplification. <i>Somatic Cell and Molecular Genetics</i> , 1989, 15, 61-70.	0.7	17
51	The protein kinases Rck1 and Rck2 inhibit meiosis in budding yeast. <i>Molecular Genetics and Genomics</i> , 2000, 263, 253-261.	2.4	17
52	Oxygenated Cyclohexene Derivatives and Other Constituents from the Roots of <i>Monanthotaxis trichocarpa</i> . <i>Journal of Natural Products</i> , 2020, 83, 210-215.	3.0	16
53	Evolutionary loss of 8-oxo-G repair components among eukaryotes. <i>Genome Integrity</i> , 2010, 1, 12.	1.0	16
54	Bussei hydroquinones from the Roots of <i>Pentas bussei</i> . <i>Journal of Natural Products</i> , 2012, 75, 1299-1304.	3.0	15

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55	Antibacterial activity of 2-amino-3-cyanopyridine derivatives. <i>Mendeleev Communications</i> , 2020, 30, 498-499.	1.6	15
56	New, small circular DNA in transfected mammalian cells.. <i>Molecular and Cellular Biology</i> , 1986, 6, 653-662.	2.3	14
57	Selective inhibition of RET mediated cell proliferation in vitro by the kinase inhibitor SPP86. <i>BMC Cancer</i> , 2014, 14, 853.	2.6	14
58	A Genetic Trap in Yeast for Inhibitors of SARS-CoV-2 Main Protease. <i>MSystems</i> , 2021, 6, e0108721.	3.8	13
59	Predicting functional upstream open reading frames in <i>Saccharomyces cerevisiae</i> . <i>BMC Bioinformatics</i> , 2009, 10, 451.	2.6	10
60	Caffeine stabilizes Cdc 25 independently of Rad 3 in <i>Schizosaccharomyces pombe</i> contributing to checkpoint override. <i>Molecular Microbiology</i> , 2014, 92, 777-796.	2.5	10
61	The mRNA cap-binding protein Cbc1 is required for high and timely expression of genes by promoting the accumulation of gene-specific activators at promoters. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 405-419.	1.9	10
62	Chemical Genomic Profiling Unveils the in Vitro and in Vivo Antiplasmodial Mechanism of <i>Euterpe oleracea</i> Mart.) Polyphenols. <i>ACS Omega</i> , 2019, 4, 15628-15635.	3.5	10
63	A Redox-Sensitive Thiol in Wis1 Modulates the Fission Yeast Mitogen-Activated Protein Kinase Response to H <sub>2</sub> O <sub>2</sub> and Is the Target of a Small Molecule. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	10
64	A High-Throughput Method for Screening for Genes Controlling Bacterial Conjugation of Antibiotic Resistance. <i>MSystems</i> , 2020, 5, .	3.8	10
65	Genomic disruption of six budding yeast genes gives one drastic example of phenotype strain-dependence. , 1998, 14, 655-664.		9
66	Transient inhibition of histone deacetylase activity overcomes silencing in the mating-type region in fission yeast. <i>Current Genetics</i> , 1999, 35, 82-87.	1.7	9
67	The checkpoint-dependent nuclear accumulation of Rho1p exchange factor Rgf1p is important for tolerance to chronic replication stress. <i>Molecular Biology of the Cell</i> , 2014, 25, 1137-1150.	2.1	9
68	Global SLAM-seq for accurate mRNA decay determination and identification of NMD targets. <i>Rna</i> , 2022, 28, 905-915.	3.5	9
69	The tumor suppressor homolog in fission yeast, myh1+, displays a strong interaction with the checkpoint gene rad1+. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 644, 48-55.	1.0	8
70	Hyperosmosis enhances radiation and hydroxyurea resistance of <i>Schizosaccharomyces pombe</i> checkpoint mutants through the spindle checkpoint and delayed cytokinesis. <i>Molecular Microbiology</i> , 2010, 77, 143-157.	2.5	8
71	Global Estimation of mRNA Stability in Yeast. <i>Methods in Molecular Biology</i> , 2011, 734, 3-23.	0.9	8
72	Violacein-Induced Chaperone System Collapse Underlies Multistage Antiplasmodial Activity. <i>ACS Infectious Diseases</i> , 2021, 7, 759-776.	3.8	8

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73	Post-transcriptional regulation during stress. <i>FEMS Yeast Research</i> , 2022, 22, .	2.3	8
74	A role for Myh1 in DNA repair after treatment with strandâ€breaking and crosslinking chemotherapeutic agents. <i>Environmental and Molecular Mutagenesis</i> , 2013, 54, 327-337.	2.2	7
75	Efficient transient and stable expression in mammalian cells of transfected genes using erythrocyte ghost fusion. <i>Experimental Cell Research</i> , 1987, 173, 218-231.	2.6	6
76	Inhibition of type I histone deacetylase increases resistance of checkpoint-deficient cells to genotoxic agents through mitotic delay. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 2606-2615.	4.1	6
77	Azastilbenes: a cut-off to p38 MAPK inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4526.	2.8	6
78	Suppression of Sensitivity to Drugs and Antibiotics by High External Cation Concentrations in Fission Yeast. <i>PLoS ONE</i> , 2015, 10, e0119297.	2.5	5
79	Biflavanones, Chalconoids, and Flavonoid Analogues from the Stem Bark of <i>Ochna holstii</i> . <i>Journal of Natural Products</i> , 2021, 84, 364-372.	3.0	5
80	Oxygenated Cyclohexene Derivatives from the Stem and Root Barks of <i>Uvaria pandensis</i> . <i>Journal of Natural Products</i> , 2021, 84, 3080-3089.	3.0	5
81	Lsm7 phase-separated condensates trigger stress granule formation. <i>Nature Communications</i> , 2022, 13, .	12.8	5
82	Comparative genomics and gene finding in fungi. , 0, , 1-28.		4
83	Caffeine as a tool for investigating the integration of Cdc25 phosphorylation, activity and ubiquitin-dependent degradation in <i>Schizosaccharomyces pombe</i> . <i>Cell Division</i> , 2020, 15, 10.	2.4	4
84	Antibacterial and cytotoxic prenylated dihydrochalcones from <i>Eriosema montanum</i> . <i>FÃ-toterapÃ-Ãç</i> , 2021, 149, 104809.	2.2	4
85	Degradation of <i>Saccharomyces cerevisiae</i> Rck2 upon exposure of cells to high levels of zinc is dependent on Pep4. <i>Molecular Genetics and Genomics</i> , 2005, 273, 433-439.	2.1	3
86	Caffeine Stabilises Fission Yeast Wee1 in a Rad24-Dependent Manner but Attenuates Its Expression in Response to DNA Damage. <i>Microorganisms</i> , 2020, 8, 1512.	3.6	3
87	Antibacterial and cytotoxic biflavonoids from the root bark of <i>Ochna kirkii</i> . <i>FÃ-toterapÃ-Ãç</i> , 2021, 151, 104857.	2.2	3
88	Computational Chemogenomics Drug Repositioning Strategy Enables the Discovery of Epirubicin as a New Repurposed Hit for <i>Plasmodium falciparum</i> and <i>P. vivax</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	2
89	A Small Molecule Targeting Human MEK1/2 Enhances ERK and p38 Phosphorylation under Oxidative Stress or with Phenothiazines. <i>Life</i> , 2021, 11, 297.	2.4	2
90	Visible trends in functional genomics. <i>Functional and Integrative Genomics</i> , 2003, 3, 91-93.	3.5	1

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91	Genome-wide expression profile of the <i>mnn2<sup>Δ</sup></i> mutant of <i>Saccharomyces cerevisiae</i> . Antonie Van Leeuwenhoek, 2006, 89, 485-494.	1.7	1
92	SAPK and Translational Control. , 2007, , 299-310.		0
93	The fission yeast FHIT homolog affects checkpoint control of proliferation and is regulated by mitochondrial electron transport. Cell Biology International, 2020, 44, 412-423.	3.0	0
94	Yeast-based high-throughput screens for discovery of kinase inhibitors for neglected diseases. Advances in Protein Chemistry and Structural Biology, 2021, 124, 275-309.	2.3	0
95	Exploring How An RNA-binding Protein Affects Stress-exposed Cells. , 2018, , .		0