

# Peter Baumann

## List of Publications by Year in descending order

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46  
papers

4,649  
citations

172457

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48  
docs citations

48  
times ranked

4776  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Rad51 Protein Promotes ATP-Dependent Homologous Pairing and Strand Transfer Reactions In Vitro. <i>Cell</i> , 1996, 87, 757-766.	28.9	630
2	Role of the human RAD51 protein in homologous recombination and double-stranded-break repair. <i>Trends in Biochemical Sciences</i> , 1998, 23, 247-251.	7.5	492
3	Comparative Functional Genomics of the Fission Yeasts. <i>Science</i> , 2011, 332, 930-936.	12.6	458
4	Synergistic actions of Rad51 and Rad52 in recombination and DNA repair. <i>Nature</i> , 1998, 391, 401-404.	27.8	371
5	Human POT1 Facilitates Telomere Elongation by Telomerase. <i>Current Biology</i> , 2003, 13, 942-946.	3.9	195
6	DNA self-recognition in the structure of Pot1 bound to telomeric single-stranded DNA. <i>Nature</i> , 2003, 426, 198-203.	27.8	182
7	A RAP1/TRF2 Complex Inhibits Nonhomologous End-Joining at Human Telomeric DNA Ends. <i>Molecular Cell</i> , 2007, 26, 323-334.	9.7	182
8	Unisexual reproduction among vertebrates. <i>Trends in Genetics</i> , 2011, 27, 81-88.	6.7	181
9	Human Pot1 (Protection of Telomeres) Protein: Cyto-localization, Gene Structure, and Alternative Splicing. <i>Molecular and Cellular Biology</i> , 2002, 22, 8079-8087.	2.3	153
10	Protection of Telomeres by the Ku Protein in Fission Yeast. <i>Molecular Biology of the Cell</i> , 2000, 11, 3265-3275.	2.1	138
11	Human Telomerase RNA Processing and Quality Control. <i>Cell Reports</i> , 2015, 13, 2232-2243.	6.4	124
12	Human RAP1 inhibits non-homologous end joining at telomeres. <i>EMBO Journal</i> , 2009, 28, 3390-3399.	7.8	115
13	TER1, the RNA subunit of fission yeast telomerase. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 26-33.	8.2	112
14	Sister chromosome pairing maintains heterozygosity in parthenogenetic lizards. <i>Nature</i> , 2010, 464, 283-286.	27.8	96
15	Spliceosomal cleavage generates the 3' end of telomerase RNA. <i>Nature</i> , 2008, 456, 910-914.	27.8	94
16	Telomerase RNA biogenesis involves sequential binding by Sm and Lsm complexes. <i>Nature</i> , 2012, 484, 260-264.	27.8	84
17	Cooperative Binding of Single-Stranded Telomeric DNA by the Pot1 Protein of <i>Schizosaccharomyces pombe</i> . <i>Biochemistry</i> , 2002, 41, 14560-14568.	2.5	79
18	Precise binding of single-stranded DNA termini by human RAD52 protein. <i>EMBO Journal</i> , 2000, 19, 4175-4181.	7.8	77

#	ARTICLE	IF	CITATIONS
19	A Geographically Diverse Collection of <i>Schizosaccharomyces pombe</i> Isolates Shows Limited Phenotypic Variation but Extensive Karyotypic Diversity. <i>G3: Genes, Genomes, Genetics</i> , 2011, 1, 615-626.	1.8	75
20	Chromosome Fusions following Telomere Loss Are Mediated by Single-Strand Annealing. <i>Molecular Cell</i> , 2008, 31, 463-473.	9.7	72
21	G-Quadruplexes: From Guanine Gels to Chemotherapeutics. <i>Molecular Biotechnology</i> , 2011, 49, 198-208.	2.4	66
22	Purification of human Rad51 protein by selective spermidine precipitation. <i>Mutation Research DNA Repair</i> , 1997, 384, 65-72.	3.7	64
23	Pot1 and telomere maintenance. <i>FEBS Letters</i> , 2010, 584, 3779-3784.	2.8	59
24	Heteroduplex Formation by Human Rad51 Protein: Effects of DNA End-structure, hRP-A and hRad52. <i>Journal of Molecular Biology</i> , 1999, 291, 363-374.	4.2	57
25	Role of SUMO in the dynamics of telomere maintenance in fission yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 893-898.	7.1	51
26	Distinct Requirements for Pot1 in Limiting Telomere Length and Maintaining Chromosome Stability. <i>Molecular and Cellular Biology</i> , 2005, 25, 5567-5578.	2.3	46
27	Laboratory synthesis of an independently reproducing vertebrate species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9910-9915.	7.1	41
28	The H/ACA complex disrupts triplex in hTR precursor to permit processing by RRP6 and PARN. <i>Nature Communications</i> , 2018, 9, 5430.	12.8	38
29	A Flexible Template Boundary Element in the RNA Subunit of Fission Yeast Telomerase. <i>Journal of Biological Chemistry</i> , 2008, 283, 24224-24233.	3.4	37
30	Extended DNA Binding Site in Pot1 Broadens Sequence Specificity to Allow Recognition of Heterogeneous Fission Yeast Telomeres. <i>Journal of Biological Chemistry</i> , 2005, 280, 9119-9128.	3.4	34
31	<i>Schizosaccharomyces cryophilus</i> sp. nov., a new species of fission yeast. <i>FEMS Yeast Research</i> , 2010, 10, 779-786.	2.3	33
32	Widespread failure to complete meiosis does not impair fecundity in parthenogenetic whiptail lizards. <i>Development (Cambridge)</i> , 2016, 143, 4486-4494.	2.5	28
33	Pof8 is a La-related protein and a constitutive component of telomerase in fission yeast. <i>Nature Communications</i> , 2018, 9, 587.	12.8	27
34	Intronic sequence elements impede exon ligation and trigger a discard pathway that yields functional telomerase RNA in fission yeast. <i>Genes and Development</i> , 2013, 27, 627-638.	5.9	26
35	Diverse mechanisms for spliceosome-mediated 3' end processing of telomerase RNA. <i>Nature Communications</i> , 2015, 6, 6104.	12.8	26
36	Neaves' Whiptail Lizard: The First Known Tetraploid Parthenogenetic Tetrapod (Reptilia: Squamata: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.5	20

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37	Minishelterins separate telomere length regulation and end protection in fission yeast. <i>Genes and Development</i> , 2015, 29, 1164-1174.	5.9	18
38	Are Mouse Telomeres Going to Pot?. <i>Cell</i> , 2006, 126, 33-36.	28.9	17
39	TERRA â€”A Calling Card for Telomerase. <i>Molecular Cell</i> , 2013, 51, 703-704.	9.7	14
40	The Second Known Tetraploid Species of Parthenogenetic Tetrapod (Reptilia: Squamata: Teiidae): Description, Reproduction, Comparisons With Ancestral Taxa, And Origins Of Multiple Clones. <i>Bulletin of the Museum of Comparative Zoology</i> , 2017, 161, 285-321.	1.7	12
41	A putative cap binding protein and the methyl phosphate capping enzyme Bin3/MePCE function in telomerase biogenesis. <i>Nature Communications</i> , 2022, 13, 1067.	12.8	10
42	Apolloâ€™Taking the Lead in Telomere Protection. <i>Molecular Cell</i> , 2010, 39, 489-491.	9.7	8
43	Taking control of G-quadruplexes. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 832-833.	8.2	5
44	Journal club. <i>Nature</i> , 2009, 462, 547-547.	27.8	1
45	Functions of Rad16 Endonuclease at Telomeres in <i>S. pombe</i> . <i>FASEB Journal</i> , 2007, 21, A1038.	0.5	0
46	Telomerase Biogenesis and Regulation. <i>FASEB Journal</i> , 2012, 26, 462.3.	0.5	0