

Derek J Taylor

List of Publications by Year in descending order

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33
papers

1,030
citations

567281

15
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	The process of mRNA-tRNA translocation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19671-19678.	7.1	198
2	Selective PP2A Enhancement through Biased Heterotrimer Stabilization. Cell, 2020, 181, 688-701.e16.	28.9	107
3	Cryo-EM structure of 5-HT3A receptor in its resting conformation. Nature Communications, 2018, 9, 514.	12.8	89
4	Potent neutralizing nanobodies resist convergent circulating variants of SARS-CoV-2 by targeting diverse and conserved epitopes. Nature Communications, 2021, 12, 4676.	12.8	74
5	Structure of the mammalian ribosomal pre-termination complex associated with eRF1-eRF3-GDPNP. Nucleic Acids Research, 2014, 42, 3409-3418.	14.5	63
6	Cryo-Electron Microscopy Structure of an Acinetobacter baumannii Multidrug Efflux Pump. MBio, 2019, 10, .	4.1	56
7	Cryo-EM structure of the mammalian eukaryotic release factor eRF1-eRF3-associated termination complex. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18413-18418.	7.1	53
8	Molecular Organization and ATP-Induced Conformational Changes of ABCA4, the Photoreceptor-Specific ABC Transporter. Structure, 2013, 21, 854-860.	3.3	52
9	Multiple POT1-TPP1 Proteins Coat and Compact Long Telomeric Single-Stranded DNA. Journal of Molecular Biology, 2011, 410, 10-17.	4.2	38
10	A virus-induced conformational switch of STAT1-STAT2 dimers boosts antiviral defenses. Cell Research, 2021, 31, 206-218.	12.0	35
11	Administration of a Nucleoside Analog Promotes Cancer Cell Death in a Telomerase-Dependent Manner. Cell Reports, 2018, 23, 3031-3041.	6.4	29
12	POT1-TPP1 Binding and Unfolding of Telomere DNA Discriminates against Structural Polymorphism. Journal of Molecular Biology, 2016, 428, 2695-2708.	4.2	28
13	Cryo-electron Microscopy Structure of the Acinetobacter baumannii 70S Ribosome and Implications for New Antibiotic Development. MBio, 2020, 11, .	4.1	25
14	POT1-TPP1 differentially regulates telomerase via POT1 His266 and as a function of single-stranded telomere DNA length. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23527-23533.	7.1	23
15	Multiple facets of TPP1 in telomere maintenance. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1550-1559.	2.3	18
16	SLX4IP promotes RAP1 SUMOylation by PIAS1 to coordinate telomere maintenance through NF- κ B and Notch signaling. Science Signaling, 2021, 14, .	3.6	17
17	SLX4IP and telomere dynamics dictate breast cancer metastasis and therapeutic responsiveness. Life Science Alliance, 2020, 3, e201900427.	2.8	17
18	A non-natural nucleotide uses a specific pocket to selectively inhibit telomerase activity. PLoS Biology, 2019, 17, e3000204.	5.6	15

#	ARTICLE	IF	CITATIONS
19	Coordinated Interactions of Multiple POT1-TPP1 Proteins with Telomere DNA*. Journal of Biological Chemistry, 2013, 288, 16361-16370.	3.4	14
20	Structural Plasticity of the Protein Plug That Traps Newly Packaged Genomes in Podoviridae Virions. Journal of Biological Chemistry, 2016, 291, 215-226.	3.4	14
21	Dynamic peptides of human TPP1 fulfill diverse functions in telomere maintenance. Nucleic Acids Research, 2016, 44, gkw846.	14.5	10
22	Spatial Organization and Molecular Interactions of the Schizosaccharomyces pombe Ccq1-Tpz1-Poz1 Shelterin Complex. Journal of Molecular Biology, 2017, 429, 2863-2872.	4.2	10
23	Stem cells, immortality, and the evolution of metastatic properties in breast cancer: telomere maintenance mechanisms and metastatic evolution. Journal of Cancer Metastasis and Treatment, 2019, .	0.8	10
24	Active and Passive Destabilization of G-Quadruplex DNA by the Telomere POT1-TPP1 Complex. Journal of Molecular Biology, 2021, 433, 166846.	4.2	7
25	SLX4IP Promotes Telomere Maintenance in Androgen Receptor-Independent Castration-Resistant Prostate Cancer through ALT-like Telomeric PML Localization. Molecular Cancer Research, 2021, 19, 301-316.	3.4	4
26	Pack a STRIPAK with hubs inside a hub. Nature Structural and Molecular Biology, 2021, 28, 232-233.	8.2	4
27	Advances in structure determination by cryo-EM to unravel membrane-spanning pore formation. Protein Science, 2018, 27, 1544-1556.	7.6	3
28	Structure of the Anthrax Protective Antigen D425A Dominant Negative Mutant Reveals a Stalled Intermediate State of Pore Maturation. Journal of Molecular Biology, 2022, 434, 167548.	4.2	2
29	Expanding the chemotherapeutic potential of an established nucleoside analog with selective targeting of telomerase. Molecular and Cellular Oncology, 2018, 5, e1536844.	0.7	1
30	SLX4IP N-terminus dictates telomeric localization in ALT-like castration-resistant prostate cancer cell lines. Prostate, 2021, 81, 1235-1251.	2.3	1
31	Eukaryotic Hibernating Ribosome Dimers are Maintained by a Kissing Loop Formed by Ribosomal RNA. Microscopy and Microanalysis, 2018, 24, 1234-1235.	0.4	0
32	Telomere maintenance and genome stability. , 2021, , 393-414.		0
33	Cell Death Mechanisms Induced by Altered Telomerase RNA Template Sequence. FASEB Journal, 2015, 29, 561.11.	0.5	0