

# Adam B Burkholder

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2508418/publications.pdf>

Version: 2024-02-01

47  
papers

2,347  
citations

304743

22  
h-index

276875

41  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3936  
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread transcriptional pausing and elongation control at enhancers. <i>Genes and Development</i> , 2018, 32, 26-41.	5.9	269
2	Bidirectional Transcription Arises from Two Distinct Hubs of Transcription Factor Binding and Active Chromatin. <i>Molecular Cell</i> , 2015, 58, 1101-1112.	9.7	204
3	Stable Pausing by RNA Polymerase II Provides an Opportunity to Target and Integrate Regulatory Signals. <i>Molecular Cell</i> , 2013, 52, 517-528.	9.7	203
4	Tracking replication enzymology in vivo by genome-wide mapping of ribonucleotide incorporation. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 185-191.	8.2	167
5	Pausing of RNA Polymerase II Regulates Mammalian Developmental Potential through Control of Signaling Networks. <i>Molecular Cell</i> , 2015, 58, 311-322.	9.7	155
6	Heterogeneous polymerase fidelity and mismatch repair bias genome variation and composition. <i>Genome Research</i> , 2014, 24, 1751-1764.	5.5	141
7	TRIM28 regulates RNA polymerase II promoter-proximal pausing and pause release. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 876-883.	8.2	125
8	Regulating the regulators: the pervasive effects of Pol II pausing on stimulus-responsive gene networks. <i>Genes and Development</i> , 2012, 26, 933-944.	5.9	111
9	The THO Complex Regulates Pluripotency Gene mRNA Export and Controls Embryonic Stem Cell Self-Renewal and Somatic Cell Reprogramming. <i>Cell Stem Cell</i> , 2013, 13, 676-690.	11.1	85
10	Evidence that DNA polymerase $\hat{\Gamma}$ contributes to initiating leading strand DNA replication in <i>Saccharomyces cerevisiae</i> . <i>Nature Communications</i> , 2018, 9, 858.	12.8	77
11	Roles for DNA polymerase $\hat{\Gamma}$ in initiating and terminating leading strand DNA replication. <i>Nature Communications</i> , 2019, 10, 3992.	12.8	68
12	DNA Polymerase Delta Synthesizes Both Strands during Break-Induced Replication. <i>Molecular Cell</i> , 2019, 76, 371-381.e4.	9.7	65
13	Obesity, Rather Than Diet, Drives Epigenomic Alterations in Colonic Epithelium Resembling Cancer Progression. <i>Cell Metabolism</i> , 2014, 19, 702-711.	16.2	61
14	The kinetics of pre-mRNA splicing in the <i>Drosophila</i> genome and the influence of gene architecture. <i>ELife</i> , 2017, 6, .	6.0	57
15	NF-Y controls fidelity of transcription initiation at gene promoters through maintenance of the nucleosome-depleted region. <i>Nature Communications</i> , 2019, 10, 3072.	12.8	53
16	Ultrasensitive deletion detection links mitochondrial DNA replication, disease, and aging. <i>Genome Biology</i> , 2020, 21, 248.	8.8	48
17	Epithelial RNase H2 Maintains Genome Integrity and Prevents Intestinal Tumorigenesis in Mice. <i>Gastroenterology</i> , 2019, 156, 145-159.e19.	1.3	46
18	RNA polymerase II promoter-proximal pausing in mammalian long non-coding genes. <i>Genomics</i> , 2016, 108, 64-77.	2.9	44

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19	DNA methylation in mice is influenced by genetics as well as sex and life experience. <i>Nature Communications</i> , 2019, 10, 305.	12.8	40
20	Repair of multiple simultaneous double-strand breaks causes bursts of genome-wide clustered hypermutation. <i>PLoS Biology</i> , 2019, 17, e3000464.	5.6	35
21	Biochromoendoscopy: molecular imaging with capsule endoscopy for detection of adenomas of the GI tract. <i>Gastrointestinal Endoscopy</i> , 2008, 68, 520-527.	1.0	34
22	Mutation signatures specific to DNA alkylating agents in yeast and cancers. <i>Nucleic Acids Research</i> , 2020, 48, 3692-3707.	14.5	32
23	UV-exposure, endogenous DNA damage, and DNA replication errors shape the spectra of genome changes in human skin. <i>PLoS Genetics</i> , 2021, 17, e1009302.	3.5	26
24	H/ACA snoRNA levels are regulated during stem cell differentiation. <i>Nucleic Acids Research</i> , 2020, 48, 8686-8703.	14.5	22
25	Life without TTP: apparent absence of an important anti-inflammatory protein in birds. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R689-R700.	1.8	20
26	DNA Sequence Constraints Define Functionally Active Steroid Nuclear Receptor Binding Sites in Chromatin. <i>Endocrinology</i> , 2017, 158, 3212-3234.	2.8	17
27	Multi-walled carbon nanotubes upregulate mitochondrial gene expression and trigger mitochondrial dysfunction in primary human bronchial epithelial cells. <i>Nanotoxicology</i> , 2019, 13, 1344-1361.	3.0	17
28	Association between Mitochondrial DNA Sequence Variants and VĚ™O2 max Trainability. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2303-2309.	0.4	16
29	Downstream Antisense Transcription Predicts Genomic Features That Define the Specific Chromatin Environment at Mammalian Promoters. <i>PLoS Genetics</i> , 2016, 12, e1006224.	3.5	15
30	Increased Burden of Rare Sequence Variants in GnRH-Associated Genes in Women With Hypothalamic Amenorrhea. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1441-e1452.	3.6	13
31	Muver, a computational framework for accurately calling accumulated mutations. <i>BMC Genomics</i> , 2018, 19, 345.	2.8	12
32	How asymmetric DNA replication achieves symmetrical fidelity. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 1020-1028.	8.2	12
33	ORIO (Online Resource for Integrative Omics): a web-based platform for rapid integration of next generation sequencing data. <i>Nucleic Acids Research</i> , 2017, 45, 5678-5690.	14.5	11
34	Genome-wide mutagenesis resulting from topoisomerase 1-processing of unrepaired ribonucleotides in DNA. <i>DNA Repair</i> , 2019, 84, 102641.	2.8	10
35	Investigation of the adolescent female breast transcriptome and the impact of obesity. <i>Breast Cancer Research</i> , 2020, 22, 44.	5.0	9
36	Mitochondrial-nuclear epistasis underlying phenotypic variation in breast cancer pathology. <i>Scientific Reports</i> , 2022, 12, 1393.	3.3	9

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37	Mapping Ribonucleotides Incorporated into DNA by Hydrolytic End-Sequencing. <i>Methods in Molecular Biology</i> , 2018, 1672, 329-345.	0.9	5
38	Analysis of paired end Pol II ChIP-seq and short capped RNA-seq in MCF-7 cells. <i>Genomics Data</i> , 2015, 5, 263-267.	1.3	3
39	The fidelity of DNA replication, particularly on GC-rich templates, is reduced by defects of the Feâ€“S cluster in DNA polymerase Î. <i>Nucleic Acids Research</i> , 2021, 49, 5623-5636.	14.5	3
40	A post-transcriptional regulon controlled by TtpA, the single tristetraproline family member expressed in <i>Dictyostelium discoideum</i> . <i>Nucleic Acids Research</i> , 2021, 49, 11920-11937.	14.5	3
41	Decoding the Inversion Symmetry Underlying Transcription Factor DNA-Binding Specificity and Functionality in the Genome. <i>IScience</i> , 2019, 15, 552-591.	4.1	2
42	Identification of candidate susceptibility genes in a murine model of respiratory syncytial virus (RSV)â€“induced bronchiolitis. <i>FASEB Journal</i> , 2013, 27, 1212.4.	0.5	0
43	OR11-6 Rare Sequence Variants in GnRH-Associated Genes May Contribute to Variable Susceptibility to Environmental Stressors in Functional Hypothalamic Amenorrhea. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.2	0
44	SUN-738 Establishing the Link Between Genetic Variations of Estrogen Receptor 2 and Unexplained Infertility. <i>Journal of the Endocrine Society</i> , 2020, 4, .	0.2	0
45	Title is missing!. , 2019, 17, e3000464.		0
46	Title is missing!. , 2019, 17, e3000464.		0
47	Title is missing!. , 2019, 17, e3000464.		0