

Travis H Stracker

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

5,000
citations

147801

31
h-index

128289

60
g-index

71
all docs

71
docs citations

71
times ranked

6377
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The MRE11 complex: starting from the ends. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 90-103. | 37.0 | 612 |
| 2 | Adenovirus oncoproteins inactivate the Mre11â€“Rad50â€“NBS1 DNA repair complex. <i>Nature</i> , 2002, 418, 348-352. | 27.8 | 468 |
| 3 | The Mre11 complex is required for ATM activation and the G2/M checkpoint. <i>EMBO Journal</i> , 2003, 22, 6610-6620. | 7.8 | 435 |
| 4 | The cellular response to DNA double-strand breaks: defining the sensors and mediators. <i>Trends in Cell Biology</i> , 2003, 13, 458-462. | 7.9 | 305 |
| 5 | PrimPol Bypasses UV Photoproducts during Eukaryotic Chromosomal DNA Replication. <i>Molecular Cell</i> , 2013, 52, 566-573. | 9.7 | 235 |
| 6 | The Mre11 complex and the metabolism of chromosome breaks: the importance of communicating and holding things together. <i>DNA Repair</i> , 2004, 3, 845-854. | 2.8 | 234 |
| 7 | Taking the time to make important decisions: The checkpoint effector kinases Chk1 and Chk2 and the DNA damage response. <i>DNA Repair</i> , 2009, 8, 1047-1054. | 2.8 | 202 |
| 8 | Identification of a Steroidogenic Neurohormone in Female Mosquitoes. <i>Journal of Biological Chemistry</i> , 1998, 273, 3967-3971. | 3.4 | 156 |
| 9 | The ATM signaling network in development and disease. <i>Frontiers in Genetics</i> , 2013, 4, 37. | 2.3 | 129 |
| 10 | â€“Editing on tRNAs: Biochemical, biological and evolutionary implications. <i>FEBS Letters</i> , 2014, 588, 4279-4286. | 2.8 | 113 |
| 11 | The carboxy terminus of NBS1 is required for induction of apoptosis by the MRE11 complex. <i>Nature</i> , 2007, 447, 218-221. | 27.8 | 109 |
| 12 | Roles of host cell factors in circularization of retroviral dna. <i>Virology</i> , 2003, 314, 460-467. | 2.4 | 107 |
| 13 | A Recessive Founder Mutation in Regulator of Telomere Elongation Helicase 1, RTEL1, Underlies Severe Immunodeficiency and Features of Hoyeraal Hreidarsson Syndrome. <i>PLoS Genetics</i> , 2013, 9, e1003695. | 3.5 | 106 |
| 14 | Adenovirus Type 5 E4orf3 Protein Targets the Mre11 Complex to Cytoplasmic Aggresomes. <i>Journal of Virology</i> , 2005, 79, 11382-11391. | 3.4 | 102 |
| 15 | Roles for NBS1 in Alternative Nonhomologous End-Joining of V(D)J Recombination Intermediates. <i>Molecular Cell</i> , 2009, 34, 13-25. | 9.7 | 98 |
| 16 | CEP63 deficiency promotes p53-dependent microcephaly and reveals a role for the centrosome in meiotic recombination. <i>Nature Communications</i> , 2015, 6, 7676. | 12.8 | 96 |
| 17 | Differential DNA damage signaling accounts for distinct neural apoptotic responses in ATLD and NBS. <i>Genes and Development</i> , 2009, 23, 171-180. | 5.9 | 92 |
| 18 | <sc>GEMC</sc> 1 is a critical regulator of multiciliated cell differentiation. <i>EMBO Journal</i> , 2016, 35, 942-960. | 7.8 | 91 |

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|----|---|------|-----------|
| 19 | Serotype-Specific Reorganization of the Mre11 Complex by Adenoviral E4orf3 Proteins. <i>Journal of Virology</i> , 2005, 79, 6664-6673. | 3.4 | 86 |
| 20 | Cep63 and Cep152 Cooperate to Ensure Centriole Duplication. <i>PLoS ONE</i> , 2013, 8, e69986. | 2.5 | 83 |
| 21 | Targeting p38 β Increases DNA Damage, Chromosome Instability, and the Anti-tumoral Response to Taxanes in Breast Cancer Cells. <i>Cancer Cell</i> , 2018, 33, 1094-1110.e8. | 16.8 | 70 |
| 22 | Transcriptional regulation of multiciliated cell differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2021, 110, 51-60. | 5.0 | 62 |
| 23 | The Rep Protein of Adeno-Associated Virus Type 2 Interacts with Single-Stranded DNA-Binding Proteins That Enhance Viral Replication. <i>Journal of Virology</i> , 2004, 78, 441-453. | 3.4 | 60 |
| 24 | Chk2 Suppresses the Oncogenic Potential of DNA Replication-Associated DNA Damage. <i>Molecular Cell</i> , 2008, 31, 21-32. | 9.7 | 58 |
| 25 | Cell cycle- and DNA repair pathway-specific effects of apoptosis on tumor suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9953-9958. | 7.1 | 55 |
| 26 | ATM regulation of IL-8 links oxidative stress to cancer cell migration and invasion. <i>ELife</i> , 2015, 4, . | 6.0 | 54 |
| 27 | PARP-1/PARP-2 double deficiency in mouse T cells results in faulty immune responses and T lymphomas. <i>Scientific Reports</i> , 2017, 7, 41962. | 3.3 | 51 |
| 28 | Structural and functional analysis of Mre11-3. <i>Nucleic Acids Research</i> , 2004, 32, 1886-1893. | 14.5 | 46 |
| 29 | USP28 Is Recruited to Sites of DNA Damage by the Tandem BRCT Domains of 53BP1 but Plays a Minor Role in Double-Strand Break Metabolism. <i>Molecular and Cellular Biology</i> , 2014, 34, 2062-2074. | 2.3 | 46 |
| 30 | Defects in efferent duct multiciliogenesis underlie male infertility in GEMC1, MCIDAS or CCNO deficient mice. <i>Development (Cambridge)</i> , 2019, 146, . | 2.5 | 42 |
| 31 | Tousled-like kinases stabilize replication forks and show synthetic lethality with checkpoint and PARP inhibitors. <i>Science Advances</i> , 2018, 4, eaat4985. | 10.3 | 40 |
| 32 | Centrosome defects cause microcephaly by activating the 53BP1 \rightarrow USP28 \rightarrow TP53 mitotic surveillance pathway. <i>EMBO Journal</i> , 2021, 40, e106118. | 7.8 | 39 |
| 33 | NBS1 is required for macrophage homeostasis and functional activity in mice. <i>Blood</i> , 2015, 126, 2502-2510. | 1.4 | 37 |
| 34 | Constitutive Cyclin O deficiency results in penetrant hydrocephalus, impaired growth and infertility. <i>Oncotarget</i> , 2017, 8, 99261-99273. | 1.8 | 33 |
| 35 | The Tousled-like kinases regulate genome and epigenome stability: implications in development and disease. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3827-3841. | 5.4 | 32 |
| 36 | EXD2 governs germ stem cell homeostasis and lifespan by promoting mitoribosome integrity and translation. <i>Nature Cell Biology</i> , 2018, 20, 162-174. | 10.3 | 31 |

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|----|--|------|-----------|
| 37 | Characterization of the <i>Aedes aegypti</i> <i>AeHP</i> Gene and its Expression in the Mosquito <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2002, 39, 331-342. | 1.8 | 30 |
| 38 | Regulation of USP28 Deubiquitinating Activity by SUMO Conjugation. <i>Journal of Biological Chemistry</i> , 2014, 289, 34838-34850. | 3.4 | 29 |
| 39 | Null diffusion-based enrichment for metabolomics data. <i>PLoS ONE</i> , 2017, 12, e0189012. | 2.5 | 29 |
| 40 | LOXL2-mediated H3K4 oxidation reduces chromatin accessibility in triple-negative breast cancer cells. <i>Oncogene</i> , 2020, 39, 79-121. | 5.9 | 28 |
| 41 | The MRE11 complex: An important source of stress relief. <i>Experimental Cell Research</i> , 2014, 329, 162-169. | 2.6 | 26 |
| 42 | Loss of the abasic site sensor HMCES is synthetic lethal with the activity of the APOBEC3A cytosine deaminase in cancer cells. <i>PLoS Biology</i> , 2021, 19, e3001176. | 5.6 | 25 |
| 43 | Systematic Identification of Molecular Links between Core and Candidate Genes in Breast Cancer. <i>Journal of Molecular Biology</i> , 2015, 427, 1436-1450. | 4.2 | 24 |
| 44 | Molecular basis of Tousled-Like Kinase 2 activation. <i>Nature Communications</i> , 2018, 9, 2535. | 12.8 | 24 |
| 45 | A genetic screen identifies a cellular regulator of adeno-associated virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 14991-14996. | 7.1 | 23 |
| 46 | Tousled-Like Kinases Suppress Innate Immune Signaling Triggered by Alternative Lengthening of Telomeres. <i>Cell Reports</i> , 2020, 32, 107983. | 6.4 | 23 |
| 47 | Differential requirements for Tousled-like kinases 1 and 2 in mammalian development. <i>Cell Death and Differentiation</i> , 2017, 24, 1872-1885. | 11.2 | 20 |
| 48 | Artemis and Nonhomologous End Joining-Independent Influence of DNA-Dependent Protein Kinase Catalytic Subunit on Chromosome Stability. <i>Molecular and Cellular Biology</i> , 2009, 29, 503-514. | 2.3 | 17 |
| 49 | EXO1 is critical for embryogenesis and the DNA damage response in mice with a hypomorphic <i>Nbs1</i> allele. <i>Nucleic Acids Research</i> , 2015, 43, 7371-7387. | 14.5 | 16 |
| 50 | Positional Enrichment by Proton Analysis (PEPA): A One-Dimensional ¹³ C Stable Isotope Tracer Studies in Metabolomics. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3531-3535. | 13.8 | 15 |
| 51 | Working together and apart: The twisted relationship of the Mre11 complex and Chk2 in apoptosis and tumor suppression. <i>Cell Cycle</i> , 2008, 7, 3618-3621. | 2.6 | 11 |
| 52 | Functional analysis of <i>TLK2</i> variants and their proximal interactomes implicates impaired kinase activity and chromatin maintenance defects in their pathogenesis. <i>Journal of Medical Genetics</i> , 2022, 59, 170-179. | 3.2 | 9 |
| 53 | Pathway-specific effects of ADSL deficiency on neurodevelopment. <i>ELife</i> , 2022, 11, . | 6.0 | 7 |
| 54 | Disruption of GMNC-MCIDAS multiciliogenesis program is critical in choroid plexus carcinoma development. <i>Cell Death and Differentiation</i> , 2022, 29, 1596-1610. | 11.2 | 7 |

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|----|---|-----|-----------|
| 55 | Molecular causes of primary microcephaly and related diseases: a report from the UNIA Workshop. <i>Chromosoma</i> , 2020, 129, 115-120. | 2.2 | 5 |
| 56 | E2F4/5-mediated transcriptional control of multiciliated cell differentiation: redundancy or fine-tuning?. <i>Developmental Biology</i> , 2019, 446, 20-21. | 2.0 | 4 |
| 57 | Chaperoning the <sc>DNA</sc> damage response. <i>FEBS Journal</i> , 2017, 284, 2375-2377. | 4.7 | 3 |
| 58 | CCNO mutations in NPH?. <i>Aging</i> , 2018, 10, 158-159. | 3.1 | 2 |
| 59 | Innentitelbild: Positional Enrichment by Proton Analysis (PEPA): A One-Dimensional ¹ H-NMR Approach for ¹³ C Stable Isotope Tracer Studies in Metabolomics (<i>Angew. Chem.</i> 13/2017). <i>Angewandte Chemie</i> , 2017, 129, 3446-3446. | 2.0 | 1 |
| 60 | Positional Enrichment by Proton Analysis (PEPA): A One-Dimensional ¹ H-NMR Approach for ¹³ C Stable Isotope Tracer Studies in Metabolomics. <i>Angewandte Chemie</i> , 2017, 129, 3585-3589. | 2.0 | 1 |
| 61 | EXD2: A new regulator of mitochondrial translation and potential target for cancer therapy. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1445943. | 0.7 | 0 |
| 62 | SAICAr-Dependent and Independent Effects of ADSL Deficiency on Neurodevelopment. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |