

Needhi Bhalla

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5678330/publications.pdf>

Version: 2024-02-01

32
papers

1,763
citations

686830

13
h-index

580395

25
g-index

38
all docs

38
docs citations

38
times ranked

1632
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Chromosome Sites Play Dual Roles to Establish Homologous Synapsis during Meiosis in <i>C. elegans</i> . <i>Cell</i> , 2005, 123, 1037-1050. | 13.5 | 290 |
| 2 | HIM-8 Binds to the X Chromosome Pairing Center and Mediates Chromosome-Specific Meiotic Synapsis. <i>Cell</i> , 2005, 123, 1051-1063. | 13.5 | 270 |
| 3 | A Conserved Checkpoint Monitors Meiotic Chromosome Synapsis in <i>Caenorhabditis elegans</i> . <i>Science</i> , 2005, 310, 1683-1686. | 6.0 | 215 |
| 4 | Genes Involved in Sister Chromatid Separation and Segregation in the Budding Yeast <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2001, 159, 453-470. | 1.2 | 133 |
| 5 | ZHP-3 Acts at Crossovers to Couple Meiotic Recombination with Synaptonemal Complex Disassembly and Bivalent Formation in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2008, 4, e1000235. | 1.5 | 129 |
| 6 | Pairing Centers Recruit a Polo-like Kinase to Orchestrate Meiotic Chromosome Dynamics in <i>C. elegans</i> . <i>Developmental Cell</i> , 2011, 21, 934-947. | 3.1 | 127 |
| 7 | Preprints for the life sciences. <i>Science</i> , 2016, 352, 899-901. | 6.0 | 119 |
| 8 | Prelude to a Division. <i>Annual Review of Cell and Developmental Biology</i> , 2008, 24, 397-424. | 4.0 | 118 |
| 9 | Moonlighting Proteins. <i>Annual Review of Genetics</i> , 2020, 54, 265-285. | 3.2 | 81 |
| 10 | Strategies to improve equity in faculty hiring. <i>Molecular Biology of the Cell</i> , 2019, 30, 2744-2749. | 0.9 | 57 |
| 11 | A Quality Control Mechanism Coordinates Meiotic Prophase Events to Promote Crossover Assurance. <i>PLoS Genetics</i> , 2014, 10, e1004291. | 1.5 | 52 |
| 12 | TRIP13PCH-2 promotes Mad2 localization to unattached kinetochores in the spindle checkpoint response. <i>Journal of Cell Biology</i> , 2015, 211, 503-516. | 2.3 | 43 |
| 13 | Synaptonemal Complex Components Are Required for Meiotic Checkpoint Function in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2016, 204, 987-997. | 1.2 | 22 |
| 14 | Spindle assembly checkpoint proteins regulate and monitor meiotic synapsis in <i>C. elegans</i> . <i>Journal of Cell Biology</i> , 2015, 211, 233-242. | 2.3 | 21 |
| 15 | PCH-2 collaborates with CMT-1 to proofread meiotic homolog interactions. <i>PLoS Genetics</i> , 2020, 16, e1008904. | 1.5 | 17 |
| 16 | Histone Methyltransferases MES-4 and MET-1 Promote Meiotic Checkpoint Activation in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2012, 8, e1003089. | 1.5 | 16 |
| 17 | Differential Regulation of Germline Apoptosis in Response to Meiotic Checkpoint Activation. <i>Genetics</i> , 2014, 198, 995-1000. | 1.2 | 11 |
| 18 | Shugoshin Is Essential for Meiotic Prophase Checkpoints in <i>C. elegans</i> . <i>Current Biology</i> , 2018, 28, 3199-3211.e3. | 1.8 | 10 |

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|----|--|-----|-----------|
| 19 | Has the time come for preprints in biology?. <i>Molecular Biology of the Cell</i> , 2016, 27, 1185-1187. | 0.9 | 8 |
| 20 | The conserved AAA-ATPase PCH-2^{TRIP13}regulates spindle checkpoint strength. <i>Molecular Biology of the Cell</i> , 2020, 31, 2219-2233. | 0.9 | 7 |
| 21 | Meiotic Checkpoints: Repair or Removal?. <i>Current Biology</i> , 2010, 20, R1014-R1016. | 1.8 | 6 |
| 22 | Meiosis: Is Spermatogenesis Stress an Opportunity for Evolutionary Innovation?. <i>Current Biology</i> , 2020, 30, R1471-R1473. | 1.8 | 4 |
| 23 | Mad1's ability to interact with Mad2 is essential to regulate and monitor meiotic synapsis in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2021, 17, e1009598. | 1.5 | 4 |
| 24 | Reproductive aging: insights from model organisms. <i>Biochemical Society Transactions</i> , 2011, 39, 1770-1774. | 1.6 | 2 |
| 25 | The Cohesin Complex: A Platform for Checkpoint Activation and DNA Repair?. <i>Current Biology</i> , 2011, 21, R649-R650. | 1.8 | 1 |
| 26 | Needhi Bhalla. <i>Current Biology</i> , 2016, 26, R652-R654. | 1.8 | 0 |
| 27 | 2018 PLOS Genetics Research Prize: Bundling, stabilizing, organizingâ€”The orchestration of acentriolar spindle assembly by microtubule motor proteins. <i>PLoS Genetics</i> , 2018, 14, e1007649. | 1.5 | 0 |
| 28 | Mutating two putative phosphorylation sites on ZHP-3 does not affect its localization or function during meiotic chromosome segregation. <i>MicroPublication Biology</i> , 2021, 2021, . | 0.1 | 0 |
| 29 | PCH-2 collaborates with CMT-1 to proofread meiotic homolog interactions. , 2020, 16, e1008904. | | 0 |
| 30 | PCH-2 collaborates with CMT-1 to proofread meiotic homolog interactions. , 2020, 16, e1008904. | | 0 |
| 31 | PCH-2 collaborates with CMT-1 to proofread meiotic homolog interactions. , 2020, 16, e1008904. | | 0 |
| 32 | PCH-2 collaborates with CMT-1 to proofread meiotic homolog interactions. , 2020, 16, e1008904. | | 0 |