# Jennifer G Deluca

List of Publications by Year
in descending order

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|---|---|---|---|
| 60<br>papers | 5,152<br>citations | 101543<br>36<br>h-index | 133252<br>59<br>g-index |
| 68<br>all docs | 68<br>docs citations | 68<br>times ranked | 4724<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Kinetochore Microtubule Dynamics and Attachment Stability Are Regulated by Hec1. Cell, 2006, 127, 969-982. | 28.9 | 663 |
| 2 | The dynamic kinetochore-microtubule interface. Journal of Cell Science, 2004, 117, 5461-5477. | 2.0 | 346 |
| 3 | Real-time quantification of single RNA translation dynamics in living cells. Science, 2016, 352, 1425-1429. | 12.6 | 317 |
| 4 | Protein Architecture of the Human Kinetochore Microtubule Attachment Site. Cell, 2009, 137, 672-684. | 28.9 | 310 |
| 5 | hNuf2 inhibition blocks stable kinetochoreâ€“microtubule attachment and induces mitotic cell death in HeLa cells. Journal of Cell Biology, 2002, 159, 549-555. | 5.2 | 241 |
| 6 | Hec1 and Nuf2 Are Core Components of the Kinetochore Outer Plate Essential for Organizing Microtubule Attachment Sites. Molecular Biology of the Cell, 2005, 16, 519-531. | 2.1 | 224 |
| 7 | Temporal changes in Hec1 phosphorylation control kinetochoreâ€“microtubule attachment stability during mitosis. Journal of Cell Science, 2011, 124, 622-634. | 2.0 | 223 |
| 8 | Kinetochore-Microtubule Attachment Relies on the Disordered N-Terminal Tail Domain of Hec1. Current Biology, 2008, 18, 1778-1784. | 3.9 | 200 |
| 9 | Î²-Catenin is a Nek2 substrate involved in centrosome separation. Genes and Development, 2008, 22, 91-105. | 5.9 | 196 |
| 10 | Nucleosomal arrays selfâ€assemble into supramolecular globular structures lacking 30â€nm fibers. EMBO Journal, 2016, 35, 1115-1132. | 7.8 | 164 |
| 11 | Nuf2 and Hec1 Are Required for Retention of the Checkpoint Proteins Mad1 and Mad2 to Kinetochores. Current Biology, 2003, 13, 2103-2109. | 3.9 | 135 |
| 12 | Sds22 regulates aurora B activity and microtubuleâ€“kinetochore interactions at mitosis. Journal of Cell Biology, 2010, 191, 61-74. | 5.2 | 110 |
| 13 | Structural organization of the kinetochoreâ€“microtubule interface. Current Opinion in Cell Biology, 2012, 24, 48-56. | 5.4 | 104 |
| 14 | The NDC80 complex proteins Nuf2 and Hec1 make distinct contributions to kinetochoreâ€“microtubule attachment in mitosis. Molecular Biology of the Cell, 2011, 22, 759-768. | 2.1 | 101 |
| 15 | Accurate phosphoregulation of kinetochoreâ€“microtubule affinity requires unconstrained molecular interactions. Journal of Cell Biology, 2014, 206, 45-59. | 5.2 | 97 |
| 16 | Multisite phosphorylation of the NDC80 complex gradually tunes its microtubule-binding affinity. Molecular Biology of the Cell, 2015, 26, 1829-1844. | 2.1 | 97 |
| 17 | ADF/Cofilin Regulates Actomyosin Assembly through Competitive Inhibition of Myosin II Binding to F-Actin. Developmental Cell, 2012, 22, 530-543. | 7.0 | 94 |
| 18 | Stable kinetochoreâ€“microtubule attachment is sufficient to silence the spindle assembly checkpoint in human cells. Nature Communications, 2015, 6, 10036. | 12.8 | 91 |

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|---|---|---|---|
| 19 | Recruitment of the human Cdt1 replication licensing protein by the loop domain of Hec1 is required for stable kinetochoreâ€"microtubule attachment. Nature Cell Biology, 2012, 14, 593-603. | 10.3 | 88 |
| 20 | Aurora B kinase is recruited to multiple discrete kinetochore and centromere regions in human cells. Journal of Cell Biology, 2020, 219, . | 5.2 | 85 |
| 21 | Aurora A kinase phosphorylates Hec1 to regulate metaphase kinetochoreâ€"microtubule dynamics. Journal of Cell Biology, 2018, 217, 163-177. | 5.2 | 81 |
| 22 | Cancer-Specific Requirement for BUB1B/BUBR1 in Human Brain Tumor Isolates and Genetically Transformed Cells. Cancer Discovery, 2013, 3, 198-211. | 9.4 | 78 |
| 23 | Linker histone H1.0 interacts with an extensive network of proteins found in the nucleolus. Nucleic Acids Research, 2013, 41, 4026-4035. | 14.5 | 73 |
| 24 | The Architecture of CCAN Proteins Creates a Structural Integrity to Resist Spindle Forces and Achieve Proper Intrakinetochore Stretch. Developmental Cell, 2014, 30, 717-730. | 7.0 | 73 |
| 25 | KNL1 facilitates phosphorylation of outer kinetochore proteins by promoting Aurora B kinase activity. Journal of Cell Biology, 2013, 203, 957-969. | 5.2 | 69 |
| 26 | BuGZ Is Required for Bub3 Stability, Bub1 Kinetochore Function, and Chromosome Alignment. Developmental Cell, 2014, 28, 282-294. | 7.0 | 64 |
| 27 | Super-resolution photon-efficient imaging by nanometric double-helix point spread function localization of emitters (SPINDLE). Optics Express, 2012, 20, 26681. | 3.4 | 62 |
| 28 | Superresolved multiphoton microscopy with spatial frequency-modulated imaging. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6605-6610. | 7.1 | 62 |
| 29 | HP1-Assisted Aurora B Kinase Activity Prevents Chromosome Segregation Errors. Developmental Cell, 2016, 36, 487-497. | 7.0 | 61 |
| 30 | The RZZ complex requires the N-terminus of KNL1 to mediate optimal Mad1 kinetochore localization in human cells. Open Biology, 2015, 5, 150160. | 3.6 | 54 |
| 31 | Polarization sensitive, three-dimensional, single-molecule imaging of cells with a â€˙double-helix system. Optics Express, 2009, 17, 19644. | 3.4 | 51 |
| 32 | KNL1: bringing order to the kinetochore. Chromosoma, 2014, 123, 169-181. | 2.2 | 50 |
| 33 | Purification and Characterization of Native Conventional Kinesin, HSET, and CENP-E from Mitotic HeLa Cells. Journal of Biological Chemistry, 2001, 276, 28014-28021. | 3.4 | 46 |
| 34 | Cofilin Regulates Nuclear Architecture through a Myosin-II Dependent Mechanotransduction Module. Scientific Reports, 2017, 7, 40953. | 3.3 | 44 |
| 35 | Intrinsically Slow Dynamic Instability of HeLa Cell Microtubules in Vitro. Journal of Biological Chemistry, 2002, 277, 42456-42462. | 3.4 | 43 |
| 36 | Proteomic Characterization of the Nucleolar Linker Histone H1 Interaction Network. Journal of Molecular Biology, 2015, 427, 2056-2071. | 4.2 | 42 |

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|---|---|---|---|
| 37 | Sensitivity to <i>BUB1B</i> Inhibition Defines an Alternative Classification of Glioblastoma. Cancer Research, 2017, 77, 5518-5529. | 0.9 | 38 |
| 38 | Connecting with Ska, a key complex at the kinetochoreâ€"microtubule interface. EMBO Journal, 2009, 28, 1375-1377. | 7.8 | 35 |
| 39 | Hec1/Ndc80 Tail Domain Function at the Kinetochore-Microtubule Interface. Frontiers in Cell and Developmental Biology, 2020, 8, 43. | 3.7 | 33 |
| 40 | The right place at the right time: Aurora B kinase localization to centromeres and kinetochores. Essays in Biochemistry, 2020, 64, 299-311. | 4.7 | 32 |
| 41 | Molecular Pathways: Regulation and Targeting of Kinetochoreâ€"Microtubule Attachment in Cancer. Clinical Cancer Research, 2015, 21, 233-239. | 7.0 | 23 |
| 42 | Kinetochoreâ€"Microtubule Dynamics and Attachment Stability. Methods in Cell Biology, 2010, 97, 53-79. | 1.1 | 19 |
| 43 | Chromosome Segregation: Ndc80 Can Carry the Load. Current Biology, 2009, 19, R404-R407. | 3.9 | 16 |
| 44 | Cytoskeletal alterations associated with donor age and culture interval for equine oocytes and potential zygotes that failed to cleave after intracytoplasmic sperm injection. Reproduction, Fertility and Development, 2015, 27, 944. | 0.4 | 16 |
| 45 | The Hec1/Ndc80 tail domain is required for force generation at kinetochores, but is dispensable for kinetochoreâ€"microtubule attachment formation and Ska complex recruitment. Molecular Biology of the Cell, 2020, 31, 1453-1473. | 2.1 | 13 |
| 46 | Spindle assembly checkpoint signaling and sister chromatid cohesion are disrupted by HPV E6-mediated transformation. Molecular Biology of the Cell, 2017, 28, 2035-2041. | 2.1 | 12 |
| 47 | Lamin A/C deficiency enables increased myosin-II bipolar filament ensembles that promote divergent actomyosin network anomalies through self-organization. Molecular Biology of the Cell, 2020, 31, 2363-2378. | 2.1 | 11 |
| 48 | Aurora A Kinase Function at Kinetochores. Cold Spring Harbor Symposia on Quantitative Biology, 2017, 82, 91-99. | 1.1 | 10 |
| 49 | â€œWait anaphaseâ€• signals are not confined to the mitotic spindle. Molecular Biology of the Cell, 2017, 28, 1186-1194. | 2.1 | 9 |
| 50 | Measuring Kinetochoreâ€"Microtubule Attachment Stability in Cultured Cells. Methods in Molecular Biology, 2016, 1413, 147-168. | 0.9 | 8 |
| 51 | Generation and diversification of recombinant monoclonal antibodies. ELife, 2021, 10, . | 6.0 | 7 |
| 52 | Kinetochores: If You Build It, They Will Come. Current Biology, 2004, 14, R921-R923. | 3.9 | 6 |
| 53 | BuGZ facilitates loading of spindle assembly checkpoint proteins to kinetochores in early mitosis. Journal of Biological Chemistry, 2020, 295, 14666-14677. | 3.4 | 6 |
| 54 | Spindle Microtubules: Getting Attached at Both Ends. Current Biology, 2007, 17, R966-R969. | 3.9 | 4 |

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|---|---|---|---|
| 55 | Mad2 â€œOpensâ€•Cdc20 for BubR1 Binding. Molecular Cell, 2013, 51, 3-4. | 9.7 | 4 |
| 56 | Permitted and restricted steps of human kinetochore assembly in mitotic cell extracts. Molecular Biology of the Cell, 2021, 32, 1241-1255. | 2.1 | 4 |
| 57 | Use of Confocal Microscopy to Evaluate Equine Zygote Development After Sperm Injection of Oocytes Matured In Vivo or In Vitro. Microscopy and Microanalysis, 2017, 23, 1197-1206. | 0.4 | 3 |
| 58 | Kinetochores: NDC80 Toes the Line. Current Biology, 2010, 20, R1083-R1085. | 3.9 | 2 |
| 59 | FORMIN Stable Kinetochore-Microtubule Attachments. Developmental Cell, 2011, 20, 283-284. | 7.0 | 1 |
| 60 | Effectors of the spindle assembly checkpoint are confined within the nucleus of Saccharomyces cerevisiae. Biology Open, 2019, 8, . | 1.2 | 0 |