# Judith L Yanowitz

List of Publications by Year
in descending order



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|---|---|---|---|
| 41 papers | 1,218 citations | 361413 20 h-index | 434195 31 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 1527 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Meiosis. WormBook, 2017, 2017, 1-43. | 5.3 | 92 |
| 2 | xnd-1 regulates the global recombination landscape in Caenorhabditis elegans. Nature, 2010, 467, 839-843. | 27.8 | 86 |
| 3 | Control of meiotic pairing and recombination by chromosomally tethered 26 S proteasome. Science, 2017, 355, 408-411. | 12.6 | 80 |
| 4 | Replication blocking lesions present a unique substrate for homologous recombination. EMBO Journal, 2007, 26, 3384-3396. | 7.8 | 77 |
| 5 | Crossover Distribution and Frequency Are Regulated by him-5 in Caenorhabditis elegans. Genetics, 2012, 190, 1251-1266. | 2.9 | 60 |
| 6 | An antagonistic role for the C. elegans Schnurri homolog SMA-9 in modulating TGFÎ² signaling during mesodermal patterning. Development (Cambridge), 2006, 133, 2887-2896. | 2.5 | 57 |
| 7 | A Surveillance System Ensures Crossover Formation in C.Âelegans. Current Biology, 2016, 26, 2873-2884. | 3.9 | 56 |
| 8 | Methodological considerations for heat shock of the nematode Caenorhabditis elegans. Methods, 2014, 68, 450-457. | 3.8 | 54 |
| 9 | GCNA Preserves Genome Integrity and Fertility Across Species. Developmental Cell, 2020, 52, 38-52.e10. | 7.0 | 53 |
| 10 | DAF-16 and TCER-1 Facilitate Adaptation to Germline Loss by Restoring Lipid Homeostasis and Repressing Reproductive Physiology in C. elegans. PLoS Genetics, 2016, 12, e1005788. | 3.5 | 49 |
| 11 | Meiosis: making a break for it. Current Opinion in Cell Biology, 2010, 22, 744-751. | 5.4 | 48 |
| 12 | An N-Terminal Truncation Uncouples the Sex-Transforming and Dosage Compensation Functions of Sex-lethal. Molecular and Cellular Biology, 1999, 19, 3018-3028. | 2.3 | 45 |
| 13 | Domain-Specific Regulation of Recombination inCaenorhabditis elegansin Response to Temperature, Age and Sex. Genetics, 2008, 180, 715-726. | 2.9 | 39 |
| 14 | Genome Integrity Is Regulated by theCaenorhabditis elegansRad51D Homologrfs-1. Genetics, 2008, 179, 249-262. | 2.9 | 38 |
| 15 | Meiotic Double-Strand Break Proteins Influence Repair Pathway Utilization. Genetics, 2018, 210, 843-856. | 2.9 | 34 |
| 16 | The p53-like Protein CEP-1 Is Required for Meiotic Fidelity in C.Âelegans. Current Biology, 2016, 26, 1148-1158. | 3.9 | 30 |
| 17 | The Drosophila GAGA Factor Is Required for Dosage Compensation in Males and for the Formation of the Male-Specific-Lethal Complex Chromatin Entry Site at 12DE. Genetics, 2004, 166, 279-289. | 2.9 | 29 |
| 18 | Variants in GCNA, X-linked germ-cell genome integrity gene, identified in men with primary spermatogenic failure. Human Genetics, 2021, 140, 1169-1182. | 3.8 | 27 |

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|---|---|---|---|
| 19 | The longevity-promoting factor, TCER-1, widely represses stress resistance and innate immunity. Nature Communications, 2019, 10, 3042. | 12.8 | 26 |
| 20 | Promotion of Homologous Recombination by SWS-1 in Complex with RAD-51 Paralogs in Caenorhabditis elegans. Genetics, 2016, 203, 133-145. | 2.9 | 25 |
| 21 | The Translation Initiation Factor eIF4E Regulates the Sex-Specific Expression of the Master Switch Gene Sxl in Drosophila melanogaster. PLoS Genetics, 2011, 7, e1002185. | 3.5 | 24 |
| 22 | A novel germ cell determinant reveals parallel pathways for germ line development inCaenorhabditis elegans. Development (Cambridge), 2015, 142, 3571-82. | 2.5 | 22 |
| 23 | REC-1 and HIM-5 distribute meiotic crossovers and function redundantly in meiotic double-strand break formation in Caenorhabditis elegans. Genes and Development, 2015, 29, 1969-1979. | 5.9 | 19 |
| 24 | A DNA repair protein and histone methyltransferase interact to promote genome stability in the Caenorhabditis elegans germ line. PLoS Genetics, 2019, 15, e1007992. | 3.5 | 19 |
| 25 | ATM and ATR Influence Meiotic Crossover Formation Through Antagonistic and Overlapping Functions in Caenorhabditis elegans. Genetics, 2019, 212, 431-443. | 2.9 | 16 |
| 26 | Poly(ADP-ribose) glycohydrolase coordinates meiotic DNA double-strand break induction and repair independent of its catalytic activity. Nature Communications, 2020, 11, 4869. | 12.8 | 16 |
| 27 | X Chromosome Crossover Formation and Genome Stability inCaenorhabditis elegansAre Independently Regulated byxnd-1. G3: Genes, Genomes, Genetics, 2016, 6, 3913-3925. | 1.8 | 15 |
| 28 | The molecular tug of war between immunity and fertility: Emergence of conserved signaling pathways and regulatory mechanisms. BioEssays, 2020, 42, 2000103. | 2.5 | 11 |
| 29 | Aging Negatively Impacts DNA Repair and Bivalent Formation in the C. elegans Germ Line. Frontiers in Cell and Developmental Biology, 2021, 9, 695333. | 3.7 | 11 |
| 30 | If I only had a brain: exploring mouse brain images in the Allen Brain Atlas. Biology of the Cell, 2007, 99, 403-409. | 2.0 | 9 |
| 31 | Molecular basis of reproductive senescence: insights from model organisms. Journal of Assisted Reproduction and Genetics, 2021, 38, 17-32. | 2.5 | 9 |
| 32 | Methodological considerations for mutagen exposure in C. elegans. Methods, 2014, 68, 441-449. | 3.8 | 7 |
| 33 | Cytogenetic signatures of recurrent pregnancy losses. Prenatal Diagnosis, 2021, 41, 70-78. | 2.3 | 7 |
| 34 | The CHARGE syndrome ortholog CHD-7 regulates TGF-Î² pathways in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2109508119. | 7.1 | 6 |
| 35 | idpr: A package for profiling and analyzing Intrinsically Disordered Proteins in R. PLoS ONE, 2022, 17, e0266929. | 2.5 | 6 |
| 36 | An extracellular matrix protein prevents cytokinesis failure and aneuploidy in theC. elegansgermline. Cell Cycle, 2011, 10, 1916-1920. | 2.6 | 5 |

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|---|---|---|---|
| 37 | Modeling primary ovarian insufficiency-associated loci in C. elegans identifies novel pathogenic allele of MSH5. Journal of Assisted Reproduction and Genetics, 2022, 39, 1255-1260. | 2.5 | 5 |
| 38 | Expanding the C. elegans toolbox into a toolshed. Methods, 2014, 68, 379-380. | 3.8 | 1 |
| 39 | A twist of fate: How a meiotic protein is providing new perspectives on germ cell development. Worm, 2016, 5, e1175259. | 1.0 | 0 |
| 40 | Unearthing aneuploidy: investigating double-strand breaks in oocytes of Caenorhabditis elegans. Fertility and Sterility, 2016, 106, e187-e188. | 1.0 | 0 |
| 41 | A LONGEVITY PROMOTING FACTOR THAT SUPPRESSES IMMUNITY AND HEALTHSPAN. Innovation in Aging, 2019, 3, S769-S769. | 0.1 | 0 |