# Daniel F Jarosz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8855195/publications.pdf

Version: 2024-02-01

| 52 | 4,807 | 186265 | 223800 |
|---|---|---|---|
| papers | citations | 28 h-index | 46 g-index |

| 61 | 61 | 61 | 5701 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | HSP90 at the hub of protein homeostasis: emerging mechanistic insights. Nature Reviews Molecular Cell Biology, 2010, 11, 515-528. | 37.0 | 1,559 |
| 2 | Prions are a common mechanism for phenotypic inheritance in wild yeasts. Nature, 2012, 482, 363-368. | 27.8 | 374 |
| 3 | Cryptic Variation in Morphological Evolution: HSP90 as a Capacitor for Loss of Eyes in Cavefish. Science, 2013, 342, 1372-1375. | 12.6 | 319 |
| 4 | Hsp90 and Environmental Stress Transform the Adaptive Value of Natural Genetic Variation. Science, 2010, 330, 1820-1824. | 12.6 | 304 |
| 5 | A single amino acid governs enhanced activity of DinB DNA polymerases on damaged templates. Nature, 2006, 439, 225-228. | 27.8 | 227 |
| 6 | Protein Homeostasis and the Phenotypic Manifestation of Genetic Diversity: Principles and Mechanisms. Annual Review of Genetics, 2010, 44, 189-216. | 7.6 | 170 |
| 7 | Intrinsically Disordered Proteins Drive Emergence and Inheritance of Biological Traits. Cell, 2016, 167, 369-381.e12. | 28.9 | 165 |
| 8 | Cross-Kingdom Chemical Communication Drives a Heritable, Mutually Beneficial Prion-Based Transformation of Metabolism. Cell, 2014, 158, 1083-1093. | 28.9 | 158 |
| 9 | Protein-Based Inheritance: Epigenetics beyond the Chromosome. Molecular Cell, 2018, 69, 195-202. | 9.7 | 138 |
| 10 | Y-family DNA polymerases in Escherichia coli. Trends in Microbiology, 2007, 15, 70-77. | 7.7 | 137 |
| 11 | An Evolutionarily Conserved Prion-like Element Converts Wild Fungi from Metabolic Specialists to Generalists. Cell, 2014, 158, 1072-1082. | 28.9 | 106 |
| 12 | UmuD and RecA Directly Modulate the Mutagenic Potential of the Y Family DNA Polymerase DinB. Molecular Cell, 2007, 28, 1058-1070. | 9.7 | 99 |
| 13 | Itâ€™s not magic â€“ Hsp90 and its effects on genetic and epigenetic variation. Seminars in Cell and Developmental Biology, 2019, 88, 21-35. | 5.0 | 80 |
| 14 | Y-family DNA polymerases respond to DNA damage-independent inhibition of replication fork progression. EMBO Journal, 2006, 25, 868-879. | 7.8 | 78 |
| 15 | A Non-amyloid Prion Particle that Activates a Heritable Gene Expression Program. Molecular Cell, 2020, 77, 251-265.e9. | 9.7 | 69 |
| 16 | Mapping Causal Variants with Single-Nucleotide Resolution Reveals Biochemical Drivers of Phenotypic Change. Cell, 2018, 172, 478-490.e15. | 28.9 | 62 |
| 17 | DNA Polymerase V Allows Bypass of Toxic Guanine Oxidation Products in Vivo. Journal of Biological Chemistry, 2007, 282, 12741-12748. | 3.4 | 59 |
| 18 | Comprehensive and quantitative mapping of RNAâ€“protein interactions across a transcribed eukaryotic genome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3619-3624. | 7.1 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Prion Epigenetic Switch Establishes an Active Chromatin State. Cell, 2020, 180, 928-940.e14. | 28.9 | 54 |
| 20 | A common bacterial metabolite elicits prion-based bypass of glucose repression. ELife, 2016, 5, . | 6.0 | 50 |
| 21 | Rebels with a cause: molecular features and physiological consequences of yeast prions. FEMS Yeast Research, 2014, 14, 136-147. | 2.3 | 47 |
| 22 | Characterization of Escherichia coli Translesion Synthesis Polymerases and Their Accessory Factors. Methods in Enzymology, 2006, 408, 318-340. | 1.0 | 46 |
| 23 | A DinB variant reveals diverse physiological consequences of incomplete TLS extension by a Y-family DNA polymerase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21137-21142. | 7.1 | 44 |
| 24 | More than Just a Phase: Prions at the Crossroads of Epigenetic Inheritance and Evolutionary Change. Journal of Molecular Biology, 2018, 430, 4607-4618. | 4.2 | 42 |
| 25 | Specification of Physiologic and Disease States by Distinct Proteins and Protein Conformations. Cell, 2017, 171, 1001-1014. | 28.9 | 39 |
| 26 | Widespread Prion-Based Control of Growth and Differentiation Strategies in Saccharomyces cerevisiae. Molecular Cell, 2020, 77, 266-278.e6. | 9.7 | 38 |
| 27 | Hsp90. Advances in Cancer Research, 2016, 129, 225-247. | 5.0 | 32 |
| 28 | It Pays To Be in Phase. Biochemistry, 2018, 57, 2520-2529. | 2.5 | 32 |
| 29 | Proficient and Accurate Bypass of Persistent DNA Lesions by DinB DNA Polymerases. Cell Cycle, 2007, 6, 817-822. | 2.6 | 26 |
| 30 | Molecular Origins of Complex Heritability in Natural Genotype-to-Phenotype Relationships. Cell Systems, 2019, 8, 363-379.e3. | 6.2 | 26 |
| 31 | Pernicious Pathogens or Expedient Elements of Inheritance: The Significance of Yeast Prions. PLoS Pathogens, 2014, 10, e1003992. | 4.7 | 22 |
| 32 | Amyloid Prions in Fungi. Microbiology Spectrum, 2016, 4, . | 3.0 | 17 |
| 33 | Organizing biochemistry in space and time using prion-like self-assembly. Current Opinion in Systems Biology, 2018, 8, 16-24. | 2.6 | 16 |
| 34 | The Hunt for Ancient Prions: Archaeal Prion-Like Domains Form Amyloid-Based Epigenetic Elements. Molecular Biology and Evolution, 2021, 38, 2088-2103. | 8.9 | 15 |
| 35 | A prion accelerates proliferation at the expense of lifespan. ELife, 2021, 10, . | 6.0 | 12 |
| 36 | Mutations, protein homeostasis, and epigenetic control of genome integrity. DNA Repair, 2018, 71, 23-32. | 2.8 | 11 |

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|---|---|---|---|
| 37 | What Has a Century of Quantitative Genetics Taught Us About Nature's Genetic Tool Kit?. Annual Review of Genetics, 2020, 54, 439-464. | 7.6 | 11 |
| 38 | Pervasive function and evidence for selection across standing genetic variation in S. cerevisiae. Nature Communications, 2019, 10, 1222. | 12.8 | 10 |
| 39 | Massive QTL analysis identifies pleiotropic genetic determinants for stress resistance, aroma formation, and ethanol, glycerol and isobutanol production in Saccharomyces cerevisiae. Biotechnology for Biofuels, 2021, 14, 211. | 6.2 | 7 |
| 40 | Protein self-assembly: A new frontier in cell signaling. Current Opinion in Cell Biology, 2021, 69, 62-69. | 5.4 | 6 |
| 41 | Protein aggregation and the evolution of stress resistance in clinical yeast. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200127. | 4.0 | 4 |
| 42 | Old moms say, no Sir. Science, 2017, 355, 1126-1127. | 12.6 | 3 |
| 43 | Both ROSy and Grim: The Landscape of Protein Redox during Aging. Cell Metabolism, 2020, 31, 662-663. | 16.2 | 3 |
| 44 | High-throughput Screening for Protein-based Inheritance in S. cerevisiae. Journal of Visualized Experiments, 2017, , . | 0.3 | 2 |
| 45 | A Non-Amyloid Prion Particle that Activates a Heritable Gene Expression Program. SSRN Electronic Journal, 0, , . | 0.4 | 2 |
| 46 | Metabolites control stress granule disassembly. Nature Cell Biology, 2021, 23, 1053-1055. | 10.3 | 2 |
| 47 | Song: SOS (To the Tune of ABBA's â€œSOSâ€). Biochemistry and Molecular Biology Education, 2009, 37, 316-316. | 1.2 | 1 |
| 48 | Widespread Prion-Based Control of Growth and Differentiation Strategies in <i>Saccharomyces Cerevisiae</i>. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 49 | Meeting Report on Experimental Approaches to Evolution and Ecology Using Yeast and Other Model Systems. G3: Genes, Genomes, Genetics, 2017, 7, 3237-3241. | 1.8 | 0 |
| 50 | Amyloid Prions in Fungi. , 2017, , 673-685. | | 0 |
| 51 | Phase separation: from phenomenon to function. Molecular Biology of the Cell, 2020, 31, 405-405. | 2.1 | 0 |
| 52 | Heritable transformation of adaptive landscapes elicited by transient expression of intrinsically disordered proteins (586.2). FASEB Journal, 2014, 28, 586.2. | 0.5 | 0 |