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	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
2	Protein self-assembly: A new frontier in cell signaling. Current Opinion in Cell Biology, 2021, 69, 62-69.	5.4	6
3	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
4	A prion accelerates proliferation at the expense of lifespan. ELife, 2021, 10, .	6.0	12
5	Metabolites control stress granule disassembly. Nature Cell Biology, 2021, 23, 1053-1055.	10.3	2
6	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
7	A Non-amyloid Prion Particle that Activates a Heritable Gene Expression Program. Molecular Cell, 2020, 77, 251-265.e9.	9.7	69
8	Widespread Prion-Based Control of Growth and Differentiation Strategies in Saccharomyces cerevisiae. Molecular Cell, 2020, 77, 266-278.e6.	9.7	38
9	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
10	Phase separation: from phenomenon to function. Molecular Biology of the Cell, 2020, 31, 405-405.	2.1	0
11	A Prion Epigenetic Switch Establishes an Active Chromatin State. Cell, 2020, 180, 928-940.e14.	28.9	54
12	Both ROSy and Grim: The Landscape of Protein Redox during Aging. Cell Metabolism, 2020, 31, 662-663.	16.2	3
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	Molecular Origins of Complex Heritability in Natural Genotype-to-Phenotype Relationships. Cell Systems, 2019, 8, 363-379.e3.	6.2	26
15	Pervasive function and evidence for selection across standing genetic variation in S. cerevisiae. Nature Communications, 2019, 10, 1222.	12.8	10
16	It Pays To Be in Phase. Biochemistry, 2018, 57, 2520-2529.	2.5	32
17	Mapping Causal Variants with Single-Nucleotide Resolution Reveals Biochemical Drivers of Phenotypic Change. Cell, 2018, 172, 478-490.e15.	28.9	62
18	Organizing biochemistry in space and time using prion-like self-assembly. Current Opinion in Systems Biology, 2018, 8, 16-24.	2.6	16

#	Article	IF	Citations
19	Protein-Based Inheritance: Epigenetics beyond the Chromosome. Molecular Cell, 2018, 69, 195-202.	9.7	138
20	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
21	Mutations, protein homeostasis, and epigenetic control of genome integrity. DNA Repair, 2018, 71, 23-32.	2.8	11
22	Old moms say, no Sir. Science, 2017, 355, 1126-1127.	12.6	3
23	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
24	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
25	High-throughput Screening for Protein-based Inheritance in S. cerevisiae. Journal of Visualized Experiments, 2017, , .	0.3	2
26	Specification of Physiologic and Disease States by Distinct Proteins and Protein Conformations. Cell, 2017, 171, 1001-1014.	28.9	39
27	Amyloid Prions in Fungi. , 2017, , 673-685.		0
28	Hsp90. Advances in Cancer Research, 2016, 129, 225-247.	5.0	32
29	Amyloid Prions in Fungi. Microbiology Spectrum, 2016, 4, .	3.0	17
30	Intrinsically Disordered Proteins Drive Emergence and Inheritance of Biological Traits. Cell, 2016, 167, 369-381.e12.	28.9	165
31	A common bacterial metabolite elicits prion-based bypass of glucose repression. ELife, 2016, 5, .	6.0	50
32	Pernicious Pathogens or Expedient Elements of Inheritance: The Significance of Yeast Prions. PLoS Pathogens, 2014, 10, e1003992.	4.7	22
33	Rebels with a cause: molecular features and physiological consequences of yeast prions. FEMS Yeast Research, 2014, 14, 136-147.	2.3	47
34	Cross-Kingdom Chemical Communication Drives a Heritable, Mutually Beneficial Prion-Based Transformation of Metabolism. Cell, 2014, 158, 1083-1093.	28.9	158
35	An Evolutionarily Conserved Prion-like Element Converts Wild Fungi from Metabolic Specialists to Generalists. Cell, 2014, 158, 1072-1082.	28.9	106
36	Heritable transformation of adaptive landscapes elicited by transient expression of intrinsically disordered proteins (586.2). FASEB Journal, 2014, 28, 586.2.	0.5	0

#	Article	IF	Citations
37	Cryptic Variation in Morphological Evolution: HSP90 as a Capacitor for Loss of Eyes in Cavefish. Science, 2013, 342, 1372-1375.	12.6	319
38	Prions are a common mechanism for phenotypic inheritance in wild yeasts. Nature, 2012, 482, 363-368.	27.8	374
39	Protein Homeostasis and the Phenotypic Manifestation of Genetic Diversity: Principles and Mechanisms. Annual Review of Genetics, 2010, 44, 189-216.	7.6	170
40	HSP90 at the hub of protein homeostasis: emerging mechanistic insights. Nature Reviews Molecular Cell Biology, 2010, 11, 515-528.	37.0	1,559
41	Hsp90 and Environmental Stress Transform the Adaptive Value of Natural Genetic Variation. Science, 2010, 330, 1820-1824.	12.6	304
42	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
43	Song: SOS (To the Tune of ABBA's â€œSOSâ€). Biochemistry and Molecular Biology Education, 2009, 37, 316-316.	1.2	1
44	DNA Polymerase V Allows Bypass of Toxic Guanine Oxidation Products in Vivo. Journal of Biological Chemistry, 2007, 282, 12741-12748.	3.4	59
45	Proficient and Accurate Bypass of Persistent DNA Lesions by DinB DNA Polymerases. Cell Cycle, 2007, 6, 817-822.	2.6	26
46	Y-family DNA polymerases in Escherichia coli. Trends in Microbiology, 2007, 15, 70-77.	7.7	137
47	UmuD and RecA Directly Modulate the Mutagenic Potential of the Y Family DNA Polymerase DinB. Molecular Cell, 2007, 28, 1058-1070.	9.7	99
48	Characterization of Escherichia coli Translesion Synthesis Polymerases and Their Accessory Factors. Methods in Enzymology, 2006, 408, 318-340.	1.0	46
49	A single amino acid governs enhanced activity of DinB DNA polymerases on damaged templates. Nature, 2006, 439, 225-228.	27.8	227
50	Y-family DNA polymerases respond to DNA damage-independent inhibition of replication fork progression. EMBO Journal, 2006, 25, 868-879.	7.8	78
51	A Non-Amyloid Prion Particle that Activates a Heritable Gene Expression Program. SSRN Electronic Journal, 0, , .	0.4	2
52	Widespread Prion-Based Control of Growth and Differentiation Strategies in <i>Saccharomyces Cerevisiae</i>. SSRN Electronic Journal, 0, , .	0.4	1