Matthew L Bochman

List of Publications by Year
in descending order

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43 papers	3,306 citations	394421 19 h-index	289244 40 g-index
77 all docs	77 docs citations	77 times ranked	3684 citing authors

#	Article	IF	Citations
1	Isolation of wild yeasts from Olympic National Park and Moniliella megachiliensis ONP131 physiological characterization for beer fermentation. Food Microbiology, 2022, 104, 103974.	4.2	6
2	Pif1 Activity is Modulated by DNA Sequence and Structure. Biochemistry, 2022, 61, 10-20.	2.5	2
3	Bulk phase biochemistry of PIF1 and RecQ4 family helicases. Methods in Enzymology, 2022, , .	1.0	0
4	Genetic and biochemical interactions of yeast DNA helicases. Methods, 2022, 204, 234-240.	3.8	2
5	Dynamic regulation of Pif1 acetylation is crucial to the maintenance of genome stability. Current Genetics, 2021, 67, 85-92.	1.7	6
6	A deep dive into the RecQ interactome: something old and something new. Current Genetics, 2021, 67, 761-767.	1.7	2
7	Overcoming stochastic variations in culture variables to quantify and compare growth curve data. BioEssays, 2021, 43, e2100108.	2.5	1
8	Mixed-Culture Metagenomics of the Microbes Making Sour Beer. Fermentation, 2021, 7, 174.	3.0	8
9	Characterization of the telomerase modulating activities of yeast DNA helicases. Methods in Enzymology, 2021, 661, 327-342.	1.0	3
10	Fanconi anemia-independent DNA inter-strand crosslink repair in eukaryotes. Progress in Biophysics and Molecular Biology, 2020, 158, 33-46.	2.9	16
11	Lysine acetylation regulates the activity of nuclear Pif1. Journal of Biological Chemistry, 2020, 295, 15482-15497.	3.4	13
12	The Genetic and Physical Interactomes of theSaccharomyces cerevisiaeHrq1 Helicase. G3: Genes, Genomes, Genetics, 2020, 10, 4347-4357.	1.8	4
13	Comprehensive Synthetic Genetic Array Analysis of Alleles That Interact with Mutation of the Saccharomyces cerevisiae RecQ Helicases Hrq1 and Sgs1. G3: Genes, Genomes, Genetics, 2020, 10, 4359-4368.	1.8	5
14	The yeast Hrq1 helicase stimulates Pso2 translesion nuclease activity and thereby promotes DNA interstrand crosslink repair. Journal of Biological Chemistry, 2020, 295, 8945-8957.	3.4	12
15	Thin-Layer Chromatography and Real-Time Coupled Assays to Measure ATP Hydrolysis. Methods in Molecular Biology, 2019, 1999, 245-253.	0.9	8
16	Gel-Based Assays for Measuring DNA Unwinding, Annealing, and Strand Exchange. Methods in Molecular Biology, 2019, 1999, 255-264.	0.9	2
17	The Biochemical Activities of the Saccharomyces cerevisiae Pif1 Helicase Are Regulated by Its N-Terminal Domain. Genes, 2019, 10, 411.	2.4	15
18	An organoleptic survey of meads made with lactic acid-producing yeasts. Food Microbiology, 2019, 82, 398-408.	4.2	14

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19	The WYL Domain of the PIF1 Helicase from the Thermophilic Bacterium Thermotoga elfii is an Accessory Single-Stranded DNA Binding Module. Biochemistry, 2018, 57, 1108-1118.	2.5	32
20	ComM is a hexameric helicase that promotes branch migration during natural transformation in diverse Gram-negative species. Nucleic Acids Research, 2018, 46, 6099-6111.	14.5	39
21	Promoter Boundaries for the luxCDABE and betIBA-proXWV Operons in Vibrio harveyi Defined by the Method Rapid Arbitrary PCR Insertion Libraries (RAIL). Journal of Bacteriology, 2018, 200, .	2.2	6
22	Primary souring: A novel bacteria-free method for sour beer production. Food Microbiology, 2018, 70, 76-84.	4.2	102
23	Two Novel Strains of Torulaspora delbrueckii Isolated from the Honey Bee Microbiome and Their Use in Honey Fermentation. Fermentation, 2018, 4, 22.	3.0	20
24	The Saccharomyces cerevisiae Hrq1 and Pif1 DNA helicases synergistically modulate telomerase activity in vitro. Journal of Biological Chemistry, 2018, 293, 14481-14496.	3.4	23
25	RecQ4 helicases stimulate nuclease activity during DNA interâ€strand crosslink repair.. FASEB Journal, 2018, 32, 522.1.	0.5	0
26	Saccharomyces cerevisiae Hrq1 helicase activity is affected by the sequence but not the length of single-stranded DNA. Biochemical and Biophysical Research Communications, 2017, 486, 1116-1121.	2.1	19
27	Yeast Hrq1 shares structural and functional homology with the disease-linked human RecQ4 helicase. Nucleic Acids Research, 2017, 45, 5217-5230.	14.5	43
28	Terminal acidic shock inhibits sour beer bottle conditioning by Saccharomyces cerevisiae. Food Microbiology, 2016, 57, 151-158.	4.2	41
29	Strand separation unravelled. Nature, 2015, 524, 166-167.	27.8	7
30	Roles of DNA helicases in the maintenance of genome integrity. Molecular and Cellular Oncology, 2014, 1, e963429.	0.7	31
31	Hrq1, a Homolog of the Human RecQ4 Helicase, Acts Catalytically and Structurally to Promote Genome Integrity. Cell Reports, 2014, 6, 346-356.	6.4	47
32	Periodic DNA patrolling underlies diverse functions of Pif1 on R-loops and G-rich DNA. ELife, 2014, 3, e02190.	6.0	143
33	Pif1 family helicases suppress genome instability at G-quadruplex motifs. Nature, 2013, 497, 458-462.	27.8	403
34	Ciprofloxacin is an inhibitor of the Mcm2-7 replicative helicase. Bioscience Reports, 2013, 33, .	2.4	43
35	Pif1 helicases: helping replication forks maneuver past replication barriers. FASEB Journal, 2013, 27, 95.1.	0.5	0
36	DNA secondary structures: stability and function of G-quadruplex structures. Nature Reviews Genetics, 2012, 13, 770-780.	16.3	1,162

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37	The Pif1 family in prokaryotes: what are our helicases doing in your bacteria?. Molecular Biology of the Cell, 2011, 22, 1955-1959.	2.1	56
38	Unwinding the functions of the Pif1 family helicases. DNA Repair, 2010, 9, 237-249.	2.8	188
39	The Saccharomyces cerevisiae Mcm6/2 and Mcm5/3 ATPase active sites contribute to the function of the putative Mcm2-7 â€˜gateâ€™. Nucleic Acids Research, 2010, 38, 6078-6088.	14.5	54
40	The Mcm Complex: Unwinding the Mechanism of a Replicative Helicase. Microbiology and Molecular Biology Reviews, 2009, 73, 652-683.	6.6	271
41	The Mcm2-7 Complex Has In Vitro Helicase Activity. Molecular Cell, 2008, 31, 287-293.	9.7	269
42	Subunit Organization of Mcm2-7 and the Unequal Role of Active Sites in ATP Hydrolysis and Viability. Molecular and Cellular Biology, 2008, 28, 5865-5873.	2.3	104
43	Differences in the Single-stranded DNA Binding Activities of MCM2-7 and MCM467. Journal of Biological Chemistry, 2007, 282, 33795-33804.	3.4	65