Thorsten Allers

List of Publications by Year
in descending order

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53 papers	3,804 citations	172207 29 h-index	189595 50 g-index
55 all docs	55 docs citations	55 times ranked	2671 citing authors

#	Article	IF	Citations
1	Differential Timing and Control of Noncrossover and Crossover Recombination during Meiosis. Cell, 2001, 106, 47-57.	13.5	657
2	Development of Additional Selectable Markers for the Halophilic Archaeon Haloferax volcanii Based on the leuB and trpA Genes. Applied and Environmental Microbiology, 2004, 70, 943-953.	1.4	375
3	The Complete Genome Sequence of Haloferax volcanii DS2, a Model Archaeon. PLoS ONE, 2010, 5, e9605.	1.1	234
4	Archaeal genetics â€" the third way. Nature Reviews Genetics, 2005, 6, 58-73.	7.7	217
5	Model organisms for genetics in the domain Archaea: methanogens, halophiles,ThermococcalesandSulfolobales. FEMS Microbiology Reviews, 2011, 35, 577-608.	3.9	197
6	Improved Strains and Plasmid Vectors for Conditional Overexpression of His-Tagged Proteins in Haloferax volcanii. Applied and Environmental Microbiology, 2010, 76, 1759-1769.	1.4	181
7	Regulated Polyploidy in Halophilic Archaea. PLoS ONE, 2006, 1, e92.	1.1	169
8	Intermediates of Yeast Meiotic Recombination Contain Heteroduplex DNA. Molecular Cell, 2001, 8, 225-231.	4.5	137
9	Accelerated growth in the absence of DNA replication origins. Nature, 2013, 503, 544-547.	13.7	129
10	Genetic and Physical Mapping of DNA Replication Origins in Haloferax volcanii. PLoS Genetics, 2007, 3, e77.	1.5	118
11	Characterization of a tightly controlled promoter of the halophilic archaeon Haloferax volcanii and its use in the analysis of the essential cct1 gene. Molecular Microbiology, 2007, 66, 1092-1106.	1.2	94
12	A method for preparing genomic DNA that restrains branch migration of Holliday junctions. Nucleic Acids Research, 2000, 28, 6e-6.	6.5	78
13	Mre11-Rad50 Promotes Rapid Repair of DNA Damage in the Polyploid Archaeon Haloferax volcanii by Restraining Homologous Recombination. PLoS Genetics, 2009, 5, e1000552.	1.5	77
14	Infrequent Co-conversion of Markers Flanking a Meiotic Recombination Initiation Site in Saccharomyces cerevisiae. Genetics, 2005, 169, 1353-1367.	1.2	74
15	A Complex of Cas Proteins 5, 6, and 7 Is Required for the Biogenesis and Stability of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)-derived RNAs (crRNAs) in Haloferax volcanii. Journal of Biological Chemistry, 2014, 289, 7164-7177.	1.6	65
16	The Archaeal Lsm Protein Binds to Small RNAs. Journal of Biological Chemistry, 2010, 285, 34429-34438.	1.6	63
17	RecA family proteins in archaea: RadA and its cousins. Biochemical Society Transactions, 2009, 37, 102-107.	1.6	58
18	The archaeal Xpf/Mus81/FANCM homolog Hef and the Holliday junction resolvase Hjc define alternative pathways that are essential for cell viability in Haloferax volcanii. DNA Repair, 2010, 9, 994-1002.	1.3	56

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19	Phylogenetic- and genome-derived insight into the evolution of N-glycosylation in Archaea. Molecular Phylogenetics and Evolution, 2013, 68, 327-339.	1.2	53
20	Stabilization and Electrophoretic Analysis of Meiotic Recombination Intermediates in Saccharomyces cerevisiae. Methods in Molecular Biology, 2009, 557, 209-234.	0.4	52
21	DNA repair in the archaeaâ€"an emerging picture. FEMS Microbiology Reviews, 2018, 42, 514-526.	3.9	49
22	High tolerance to self-targeting of the genome by the endogenous CRISPR-Cas system in an archaeon. Nucleic Acids Research, 2017, 45, 5208-5216.	6.5	44
23	Genetic and Biochemical Identification of a Novel Single-Stranded DNA-Binding Complex in Haloferax volcanii. Frontiers in Microbiology, 2012, 3, 224.	1.5	43
24	A comparison of two novel alcohol dehydrogenase enzymes (ADH1 and ADH2) from the extreme halophile Haloferax volcanii. Applied Microbiology and Biotechnology, 2013, 97, 195-203.	1.7	42
25	Interactions of RadB, a DNA Repair Protein in Archaea, with DNA and ATP. Journal of Molecular Biology, 2006, 358, 46-56.	2.0	38
26	Haloferax volcanii for biotechnology applications: challenges, current state and perspectives. Applied Microbiology and Biotechnology, 2020, 104, 1371-1382.	1.7	38
27	<scp>DNA</scp> damage induces nucleoid compaction via the <scp>Mre11â€Rad50</scp> complex in the archaeon <scp>H</scp>aloferax volcanii. Molecular Microbiology, 2013, 87, 168-179.	1.2	37
28	Maturation of the 5S rRNA 5â€² end is catalyzed in vitro by the endonuclease tRNase Z in the archaeon H. volcanii. Rna, 2008, 14, 928-937.	1.6	36
29	Genetic analysis of homologous recombination in Archaea: Haloferax volcanii as a model organism. Biochemical Society Transactions, 2003, 31, 706-710.	1.6	33
30	Cyclic nucleotides in archaea: Cyclic diâ€AMP in the archaeon Haloferax volcanii and its putative role. MicrobiologyOpen, 2019, 8, e00829.	1.2	32
31	Overexpression and purification of halophilic proteins inHaloferax volcanii. Bioengineered Bugs, 2010, 1, 290-292.	2.0	31
32	Deletion of the Sm1 encoding motif in the lsm gene results in distinct changes in the transcriptome and enhanced swarming activity of Haloferax cells. Biochimie, 2015, 117, 129-137.	1.3	27
33	SnapShot: Microbial Extremophiles. Cell, 2020, 180, 818-818.e1.	13.5	26
34	A Genetic Investigation of the KEOPS Complex in Halophilic Archaea. PLoS ONE, 2012, 7, e43013.	1.1	26
35	Diversity of DNA Replication in the Archaea. Genes, 2017, 8, 56.	1.0	24
36	DNA Palindromes Adopt a Methylation-resistant Conformation that is Consistent with DNA Cruciform or Hairpin Formationin Vivo. Journal of Molecular Biology, 1995, 252, 70-85.	2.0	22

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37	Production of halophilic proteins using Haloferax volcanii H1895 in a stirred-tank bioreactor. Applied Microbiology and Biotechnology, 2016, 100, 1183-1195.	1.7	21
38	RecJ-like protein from Pyrococcus furiosus has 3â€²â€“5â€² exonuclease activity on RNA: implications for proofreading of 3â€²-mismatched RNA primers in DNA replication. Nucleic Acids Research, 2013, 41, 5817-5826.	6.5	20
39	Evolution of Genome Architecture in Archaea: Spontaneous Generation of a New Chromosome in Haloferax volcanii. Molecular Biology and Evolution, 2018, 35, 1855-1868.	3.5	19
40	Haloferax volcanii as immobilised whole cell biocatalyst: new applications for halophilic systems. Applied Microbiology and Biotechnology, 2019, 103, 3807-3817.	1.7	17
41	Haloferax volcanii â€”a model archaeon for studying DNA replication and repair. Open Biology, 2020, 10, 200293.	1.5	16
42	Characterisation of a solvent-tolerant haloarchaeal (R)-selective transaminase isolated from a Triassic period salt mine. Applied Microbiology and Biotechnology, 2019, 103, 5727-5737.	1.7	15
43	Finally, Archaea Get Their CRISPR-Cas Toolbox. Trends in Microbiology, 2017, 25, 430-432.	3.5	13
44	RadB acts in homologous recombination in the archaeon Haloferax volcanii , consistent with a role as recombination mediator. DNA Repair, 2017, 55, 7-16.	1.3	10
45	The lanthipeptide biosynthetic clusters of the domain Archaea. Microbiological Research, 2021, 253, 126884.	2.5	9
46	Swapping genes to survive - a new role for archaeal type IV pili. Molecular Microbiology, 2011, 82, 789-791.	1.2	8
47	Assigning a function to a conserved archaeal metallo-Î²-lactamase from Haloferax volcanii. Extremophiles, 2012, 16, 333-343.	0.9	8
48	Structural and functional adaptation of Haloferax volcanii TFEÎ±/Î². Nucleic Acids Research, 2018, 46, 2308-2320.	6.5	7
49	Adaptation induced by self-targeting in a type I-B CRISPR-Cas system. Journal of Biological Chemistry, 2020, 295, 13502-13515.	1.6	6
50	Cas1 and Fen1 Display Equivalent Functions During Archaeal DNA Repair. Frontiers in Microbiology, 2022, 13, 822304.	1.5	3
51	New enzymes, new mechanisms?: DNA repair by recombination in the Archaea. Biochemist, 2004, 26, 19-21.	0.2	0
52	Genetic and physical mapping of DNA replication origins in Haloferax volcanii. PLoS Genetics, 2005, preprint, e77.	1.5	0
53	Cdc48a AAAâ€ATPase and its association with ubiquitinâ€like SAMP1 and DNA repair in Archaea. FASEB Journal, 2018, 32, 786.10.	0.2	0