Sonja-Verena Albers

List of Publications by Year
in descending order

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190 papers	9,848 citations	24978 57 h-index	54797 84 g-index
214 all docs	214 docs citations	214 times ranked	5965 citing authors

#	Article	IF	Citations
1	The archaeal cell envelope. Nature Reviews Microbiology, 2011, 9, 414-426.	13.6	444
2	Structure and Mechanism of the CMR Complex for CRISPR-Mediated Antiviral Immunity. Molecular Cell, 2012, 45, 303-313.	4.5	279
3	Model organisms for genetics in the domain Archaea: methanogens, halophiles,ThermococcalesandSulfolobales. FEMS Microbiology Reviews, 2011, 35, 577-608.	3.9	197
4	The archaellum: an old motility structure with a new name. Trends in Microbiology, 2012, 20, 307-312.	3.5	193
5	The cell membrane plays a crucial role in survival of bacteria and archaea in extreme environments. Antonie Van Leeuwenhoek, 2002, 81, 61-72.	0.7	182
6	N-Linked Glycosylation in Archaea: a Structural, Functional, and Genetic Analysis. Microbiology and Molecular Biology Reviews, 2014, 78, 304-341.	2.9	176
7	Versatile Genetic Tool Box for the Crenarchaeote Sulfolobus acidocaldarius. Frontiers in Microbiology, 2012, 3, 214.	1.5	169
8	Archaeal biofilm formation. Nature Reviews Microbiology, 2018, 16, 699-713.	13.6	150
9	Proteomic analysis of secreted membrane vesicles of archaeal Sulfolobus species reveals the presence of endosome sorting complex components. Extremophiles, 2009, 13, 67-79.	0.9	148
10	Crystal Structures of the ATPase Subunit of the Glucose ABC Transporter from Sulfolobus solfataricus: Nucleotide-free and Nucleotide-bound Conformations. Journal of Molecular Biology, 2003, 330, 343-358.	2.0	145
11	Ribosome recycling depends on a mechanistic link between the FeS cluster domain and a conformational switch of the twin-ATPase ABCE1. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3228-3233.	3.3	142
12	Identification of Diverse Archaeal Proteins with Class III Signal Peptides Cleaved by Distinct Archaeal Prepilin Peptidases. Journal of Bacteriology, 2007, 189, 772-778.	1.0	139
13	UVâ€inducible cellular aggregation of the hyperthermophilic archaeon Sulfolobus solfataricus is mediated by pili formation. Molecular Microbiology, 2008, 70, 938-952.	1.2	137
14	The archaellum: how archaea swim. Frontiers in Microbiology, 2015, 6, 23.	1.5	132
15	Archaeal Homolog of Bacterial Type IV Prepilin Signal Peptidases with Broad Substrate Specificity. Journal of Bacteriology, 2003, 185, 3918-3925.	1.0	129
16	Sugar transport in Sulfolobus solfataricus is mediated by two families of binding protein-dependent ABC transporters. Molecular Microbiology, 2001, 39, 1494-1503.	1.2	121
17	Crenarchaeal Biofilm Formation under Extreme Conditions. PLoS ONE, 2010, 5, e14104.	1.1	119
18	Genetic profile of pNOB8 from Sulfolobus : the first conjugative plasmid from an archaeon. Extremophiles, 1998, 2, 417-425.	0.9	116

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19	Production of Recombinant and Tagged Proteins in the Hyperthermophilic Archaeon Sulfolobus solfataricus. Applied and Environmental Microbiology, 2006, 72, 102-111.	1.4	116
20	UV-inducible DNA exchange in hyperthermophilic archaea mediated by type IV pili. Molecular Microbiology, 2011, 82, 807-817.	1.2	113
21	Molecular analysis of the crenarchaeal flagellum. Molecular Microbiology, 2012, 83, 110-124.	1.2	110
22	The Archaellum: An Update on the Unique Archaeal Motility Structure. Trends in Microbiology, 2018, 26, 351-362.	3.5	107
23	Diversity and Evolution of Type IV pili Systems in Archaea. Frontiers in Microbiology, 2016, 7, 667.	1.5	103
24	Structural Organization of Essential Iron-Sulfur Clusters in the Evolutionarily Highly Conserved ATP-binding Cassette Protein ABCE1. Journal of Biological Chemistry, 2007, 282, 14598-14607.	1.6	99
25	Guide-independent DNA cleavage by archaeal Argonaute from Methanocaldococcus jannaschii. Nature Microbiology, 2017, 2, 17034.	5.9	95
26	Insights into FlaI Functions in Archaeal Motor Assembly and Motility from Structures, Conformations, and Genetics. Molecular Cell, 2013, 49, 1069-1082.	4.5	94
27	Diversity of archaeal type IV pilin-like structures. Extremophiles, 2009, 13, 403-410.	0.9	92
28	Glucose Transport in the Extremely Thermoacidophilic Sulfolobus solfataricus Involves a High-Affinity Membrane-Integrated Binding Protein. Journal of Bacteriology, 1999, 181, 4285-4291.	1.0	92
29	Mechanisms of gene flow in archaea. Nature Reviews Microbiology, 2017, 15, 492-501.	13.6	89
30	The archaeal Ced system imports DNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2496-2501.	3.3	86
31	Formation of the Productive ATP-Mg 2+ -bound Dimer of GlcV, an ABC-ATPase from Sulfolobus solfataricus. Journal of Molecular Biology, 2003, 334, 255-267.	2.0	84
32	Appendage-Mediated Surface Adherence of Sulfolobus solfataricus. Journal of Bacteriology, 2010, 192, 104-110.	1.0	84
33	How hyperthermophiles adapt to change their lives: DNA exchange in extreme conditions. Extremophiles, 2013, 17, 545-563.	0.9	84
34	Structure and in situ organisation of the Pyrococcus furiosus archaellum machinery. ELife, 2017, 6, .	2.8	83
35	Small multicopy, non-integrative shuttle vectors based on the plasmid pRN1 for Sulfolobus acidocaldarius and Sulfolobus solfataricus, model organisms of the (cren-)archaea. Nucleic Acids Research, 2007, 35, e88-e88.	6.5	81
36	Acidianus, Sulfolobus and Metallosphaera surface layers: structure, composition and gene expression. Molecular Microbiology, 2009, 73, 58-72.	1.2	81

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37	Influence of cell surface structures on crenarchaeal biofilm formation using a thermostable green fluorescent protein. Environmental Microbiology, 2012, 14, 779-793.	1.8	80
38	Insights into ABC Transport in Archaea. Journal of Bioenergetics and Biomembranes, 2004, 36, 5-15.	1.0	76
39	Archaeal type IV pilus-like structuresâ€"evolutionarily conserved prokaryotic surface organelles. Current Opinion in Microbiology, 2011, 14, 357-363.	2.3	76
40	Expanding and understanding the genetic toolbox of the hyperthermophilic genus Sulfolobus. Biochemical Society Transactions, 2009, 37, 97-101.	1.6	75
41	Structure and function of the adhesive type <scp>IV</scp> pilus of <scp>S</scp>ulfolobus acidocaldarius. Environmental Microbiology, 2012, 14, 3188-3202.	1.8	75
42	Sulfolobus â€“ A Potential Key Organism in Future Biotechnology. Frontiers in Microbiology, 2017, 8, 2474.	1.5	74
43	Adaptations of the archaeal cell membrane to heat stress. Frontiers in Bioscience - Landmark, 2000, 5, 813.	3.0	73
44	Flagellar Motility and Structure in the Hyperthermoacidophilic Archaeon Sulfolobus solfataricus. Journal of Bacteriology, 2007, 189, 4305-4309.	1.0	73
45	Regulation of archaella expression by the FHA and von Willebrand domainâ€containing proteins ArnA and ArnB in Sulfolobus acidocaldarius. Molecular Microbiology, 2012, 86, 24-36.	1.2	72
46	Protein phosphorylation and its role in archaeal signal transduction. FEMS Microbiology Reviews, 2016, 40, 625-647.	3.9	72
47	The S-Layer Glycoprotein of the CrenarchaeoteSulfolobus acidocaldariusIs Glycosylated at Multiple Sites with Chitobiose-LinkedN-Glycans. Archaea, 2010, 2010, 1-10.	2.3	69
48	Archaeal Biofilms: The Great Unexplored. Annual Review of Microbiology, 2013, 67, 337-354.	2.9	69
49	Archaeal Signal Transduction: Impact of Protein Phosphatase Deletions on Cell Size, Motility, and Energy Metabolism in Sulfolobus acidocaldarius. Molecular and Cellular Proteomics, 2013, 12, 3908-3923.	2.5	69
50	A systems biology approach reveals major metabolic changes in the thermoacidophilic archaeon S ulfolobus solfataricus in response to the carbon source L â€fucose versus D â€glucose. Molecular Microbiology, 2016, 102, 882-908.	1.2	69
51	Sulfoquinovose synthase â€“ an important enzyme in the Nâ€glycosylation pathway of Sulfolobus acidocaldarius. Molecular Microbiology, 2011, 82, 1150-1163.	1.2	68
52	First Insights into the Entry Process of Hyperthermophilic Archaeal Viruses. Journal of Virology, 2013, 87, 13379-13385.	1.5	66
53	Identification of a system required for the functional surface localization of sugar binding proteins with class III signal peptides in Sulfolobus solfataricus. Molecular Microbiology, 2007, 64, 795-806.	1.2	63
54	Lrs14 transcriptional regulators influence biofilm formation and cell motility of Crenarchaea. ISME Journal, 2013, 7, 1886-1898.	4.4	63

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55	Conjugation in Archaea: Frequent Occurrence of Conjugative Plasmids inSulfolobus. Plasmid, 1998, 40, 190-202.	0.4	61
56	Protein secretion in the Archaea: multiple paths towards a unique cell surface. Nature Reviews Microbiology, 2006, 4, 537-547.	13.6	61
57	Cell Surface Structures of Archaea. Journal of Bacteriology, 2008, 190, 6039-6047.	1.0	61
58	Assembly and function of the archaeal flagellum. Biochemical Society Transactions, 2011, 39, 64-69.	1.6	60
59	Archaeal flagellar ATPase motor shows ATP-dependent hexameric assembly and activity stimulation by specific lipid binding. Biochemical Journal, 2011, 437, 43-52.	1.7	60
60	FlaF Is a Î²-Sandwich Protein that Anchors the Archaellum in the Archaeal Cell Envelope by Binding the S-Layer Protein. Structure, 2015, 23, 863-872.	1.6	60
61	Propulsive nanomachines: the convergent evolution of archaella, flagella and cilia. FEMS Microbiology Reviews, 2020, 44, 253-304.	3.9	60
62	Conditions for gene disruption by homologous recombination of exogenous DNA into theSulfolobus solfataricusgenome. Archaea, 2008, 2, 145-149.	2.3	59
63	Inducible and constitutive promoters for genetic systems in Sulfolobus acidocaldarius. Extremophiles, 2010, 14, 249-259.	0.9	58
64	Change of Carbon Source Causes Dramatic Effects in the Phospho-Proteome of the Archaeon Sulfolobus solfataricus. Journal of Proteome Research, 2012, 11, 4823-4833.	1.8	58
65	â€œHot standardsâ€•for the thermoacidophilic archaeon Sulfolobus solfataricus. Extremophiles, 2010, 14, 119-142.	0.9	55
66	The oneâ€component system <scp>ArnR</scp>: a membraneâ€bound activator of the crenarchaeal archaellum. Molecular Microbiology, 2013, 88, 125-139.	1.2	53
67	The archaellum: a rotating type <scp>IV</scp> pilus. Molecular Microbiology, 2014, 91, 716-723.	1.2	53
68	Lysine and arginine biosyntheses mediated by a common carrier protein in Sulfolobus. Nature Chemical Biology, 2013, 9, 277-283.	3.9	52
69	Minimal tool set for a prokaryotic circadian clock. BMC Evolutionary Biology, 2017, 17, 169.	3.2	52
70	Signal peptides of secreted proteins of the archaeon Sulfolobus solfataricus : a genomic survey. Archives of Microbiology, 2002, 177, 209-216.	1.0	51
71	Shaping the Archaeal Cell Envelope. Archaea, 2010, 2010, 1-13.	2.3	51
72	The Complete Genome Sequence of Thermoproteus tenax: A Physiologically Versatile Member of the Crenarchaeota. PLoS ONE, 2011, 6, e24222.	1.1	51

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73	Diversity, assembly and regulation of archaeal type IV pili-like and non-type-IV pili-like surface structures. Research in Microbiology, 2012, 163, 630-644.	1.0	51
74	Versatile cell surface structures of archaea. Molecular Microbiology, 2018, 107, 298-311.	1.2	50
75	Archaeal TFEÎ±/Î² is a hybrid of TFIIE and the RNA polymerase III subcomplex hRPC62/39. ELife, 2015, 4, e08378.	2.8	50
76	Simple and elegant design of a virion egress structure in Archaea. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3354-3359.	3.3	49
77	Bioenergetics and solute uptake under extreme conditions. Extremophiles, 2001, 5, 285-294.	0.9	48
78	Hot and sweet: protein glycosylation in Crenarchaeota. Biochemical Society Transactions, 2013, 41, 384-392.	1.6	48
79	The nucleotideâ€dependent interaction of FlaH and FlaI is essential for assembly and function of the archaellum motor. Molecular Microbiology, 2016, 99, 674-685.	1.2	47
80	Secreted singleâ€stranded <scp>DNA</scp> is involved in the initial phase of biofilm formation by <scp>N</scp>eisseria gonorrhoeae. Environmental Microbiology, 2014, 16, 1040-1052.	1.8	46
81	Comparative study of the extracellular proteome of Sulfolobus species reveals limited secretion. Extremophiles, 2010, 14, 87-98.	0.9	45
82	Self-assembly of the general membrane-remodeling protein PVAP into sevenfold virus-associated pyramids. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3829-3834.	3.3	45
83	Expanding the archaellum regulatory network - the eukaryotic protein kinases ArnC and ArnD influence motility ofSulfolobus acidocaldarius. MicrobiologyOpen, 2017, 6, e00414.	1.2	45
84	Activity-based protein profiling as a robust method for enzyme identification and screening in extremophilic Archaea. Nature Communications, 2017, 8, 15352.	5.8	45
85	Live Imaging of a Hyperthermophilic Archaeon Reveals Distinct Roles for Two ESCRT-III Homologs in Ensuring a Robust and Symmetric Division. Current Biology, 2020, 30, 2852-2859.e4.	1.8	45
86	Active-Site Residues in the Type IV Prepilin Peptidase Homologue PibD from the Archaeon Sulfolobus solfataricus. Journal of Bacteriology, 2006, 188, 1437-1443.	1.0	44
87	Ssâ€LrpB, a transcriptional regulator from Sulfolobus solfataricus, regulates a gene cluster with a pyruvate ferredoxin oxidoreductaseâ€encoding operon and permease genes. Molecular Microbiology, 2009, 71, 972-988.	1.2	44
88	Regulation of expression of the arabinose and glucose transporter genes in the thermophilic archaeon Sulfolobus solfataricus. Extremophiles, 2006, 10, 383-391.	0.9	43
89	The Sulfolobicin Genes of Sulfolobus acidocaldariusEncode Novel Antimicrobial Proteins. Journal of Bacteriology, 2011, 193, 4380-4387.	1.0	43
90	Structure and function of the archaeal response regulator CheY. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1259-E1268.	3.3	43

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91	The ATPases CopA and CopB both contribute to copper resistance of the thermoacidophilic archaeon Sulfolobus solfataricus. Microbiology (United Kingdom), 2012, 158, 1622-1633.	0.7	42
92	Positioning of the Motility Machinery in Halophilic Archaea. MBio, 2019, 10, .	1.8	42
93	Analysis of ATPases of putative secretion operons in the thermoacidophilic archaeon Sulfolobus solfataricus. Microbiology (United Kingdom), 2005, 151, 763-773.	0.7	41
94	Macromolecular Fingerprinting of Sulfolobus Species in Biofilm: A Transcriptomic and Proteomic Approach Combined with Spectroscopic Analysis. Journal of Proteome Research, 2011, 10, 4105-4119.	1.8	41
95	Chromosome segregation in Archaea mediated by a hybrid DNA partition machine. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3754-3759.	3.3	39
96	Insights into subunit interactions in the <scp>S</scp>ulfolobusÂacidocaldarius archaellum cytoplasmic complex. FEBS Journal, 2013, 280, 6141-6149.	2.2	38
97	Effect of UV irradiation onÂSulfolobus acidocaldarius and involvement of the general transcription factor TFB3 in the early UV response. Nucleic Acids Research, 2018, 46, 7179-7192.	6.5	38
98	Molecular analysis of the UVâ€inducible pili operon from Sulfolobus acidocaldarius. MicrobiologyOpen, 2013, 2, 928-937.	1.2	37
99	FlaX, A Unique Component of the Crenarchaeal Archaellum, Forms Oligomeric Ring-shaped Structures and Interacts with the Motor ATPase FlaI. Journal of Biological Chemistry, 2012, 287, 43322-43330.	1.6	36
100	Archaeal orthologs of Cdc45 and GINS form a stable complex that stimulates the helicase activity of MCM. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13390-13395.	3.3	36
101	The positive inside rule is not determined by the polarity of the Î”Ïˆ. Molecular Microbiology, 1998, 29, 1125-1126.	1.2	34
102	Agl16, a Thermophilic Glycosyltransferase Mediating the Last Step of N -Glycan Biosynthesis in the Thermoacidophilic Crenarchaeon Sulfolobus acidocaldarius. Journal of Bacteriology, 2013, 195, 2177-2186.	1.0	34
103	Architecture and modular assembly of Sulfolobus S-layers revealed by electron cryotomography. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25278-25286.	3.3	33
104	Complementation of Sulfolobus solfataricus PBL2025 with an Î±-mannosidase: effects on surface attachment and biofilm formation. Extremophiles, 2012, 16, 115-125.	0.9	32
105	Involvement of a eukaryotic-like ubiquitin-related modifier in the proteasome pathway of the archaeon Sulfolobus acidocaldarius. Nature Communications, 2015, 6, 8163.	5.8	32
106	Wing phosphorylation is a major functional determinant of the Lrs14â€type biofilm and motility regulator AbfR1 in Sulfolobus acidocaldarius. Molecular Microbiology, 2017, 105, 777-793.	1.2	32
107	A regulatory RNA is involved in RNA duplex formation and biofilm regulation in Sulfolobus acidocaldarius. Nucleic Acids Research, 2018, 46, 4794-4806.	6.5	32
108	Cyclic nucleotides in archaea: Cyclic diâ€AMP in the archaeon Haloferax volcanii and its putative role. MicrobiologyOpen, 2019, 8, e00829.	1.2	32

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109	The structure of the periplasmic FlaGâ€“FlaF complex and its essential role for archaellar swimming motility. Nature Microbiology, 2020, 5, 216-225.	5.9	32
110	AglB, catalyzing the oligosaccharyl transferase step of the archaeal Nâ€glycosylation process, is essential in the thermoacidophilic crenarchaeon Sulfolobus acidocaldarius. MicrobiologyOpen, 2014, 3, 531-543.	1.2	31
111	Identification and characterization of a heterotrimeric archaeal DNA polymerase holoenzyme. Nature Communications, 2017, 8, 15075.	5.8	31
112	A unique short signal sequence in membrane-anchored proteins of Archaea. Molecular Microbiology, 1999, 31, 1595-1596.	1.2	30
113	The Sulfolobus solfataricus AAA protein Sso0909, a homologue of the eukaryotic ESCRT Vps4 ATPase. Biochemical Society Transactions, 2008, 36, 94-98.	1.6	30
114	The thermoacidophilic archaeon Sulfolobus acidocaldarius contains an unsually short, highly reduced dolichyl phosphate. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 607-616.	1.2	30
115	The sub-cellular localization of Sulfolobus DNA replication. Nucleic Acids Research, 2012, 40, 5487-5496.	6.5	30
116	Sulfolobus acidocaldarius Transports Pentoses via a Carbohydrate Uptake Transporter 2 (CUT2)-Type ABC Transporter and Metabolizes Them through the Aldolase-Independent Weimberg Pathway. Applied and Environmental Microbiology, 2018, 84, .	1.4	30
117	The bindosome is a structural component of the Sulfolobus solfataricus cell envelope. Extremophiles, 2011, 15, 235-244.	0.9	29
118	<scp>A</scp>rn<scp>S</scp>, a kinase involved in starvationâ€induced archaellum expression. Molecular Microbiology, 2017, 103, 181-194.	1.2	29
119	The legacy of Carl Woese and Wolfram Zillig: from phylogeny to landmark discoveries. Nature Reviews Microbiology, 2013, 11, 713-719.	13.6	28
120	Investigation of the malE Promoter and MalR, a Positive Regulator of the Maltose Regulon, for an Improved Expression System in Sulfolobus acidocaldarius. Applied and Environmental Microbiology, 2014, 80, 1072-1081.	1.4	28
121	Biofilm formation of mucosa-associated methanoarchaeal strains. Frontiers in Microbiology, 2014, 5, 353.	1.5	27
122	Sugar transport in (hyper)thermophilic archaea. Research in Microbiology, 2002, 153, 61-67.	1.0	26
123	Saâ€<scp>L</scp>rp from <scp>S</scp>ulfolobus acidocaldarius is a versatile, glutamineâ€responsive, and architectural transcriptional regulator. MicrobiologyOpen, 2013, 2, 75-93.	1.2	26
124	DNA Processing Proteins Involved in the UV-Induced Stress Response of Sulfolobales. Journal of Bacteriology, 2015, 197, 2941-2951.	1.0	26
125	Structure and interactions of the archaeal motility repression module ArnAâ€“ArnB that modulates archaellum gene expression in Sulfolobus acidocaldarius. Journal of Biological Chemistry, 2019, 294, 7460-7471.	1.6	26
126	SulfoSYS (Sulfolobus Systems Biology): towards a silicon cell model for the central carbohydrate metabolism of the archaeon Sulfolobus solfataricus under temperature variation. Biochemical Society Transactions, 2009, 37, 58-64.	1.6	25

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127	N-Glycosylation of the archaellum filament is not important for archaella assembly and motility, although N-Glycosylation is essential for motility in Sulfolobus acidocaldarius. Biochimie, 2015, 118, 294-301.	1.3	24
128	The biology of thermoacidophilic archaea from the order Sulfolobales. FEMS Microbiology Reviews, 2021, 45, .	3.9	24
129	The archaeal protein SepF is essential for cell division in Haloferax volcanii. Nature Communications, 2021, 12, 3469.	5.8	22
130	Spotlight on FtsZ-based cell division in Archaea. Trends in Microbiology, 2022, 30, 665-678.	3.5	22
131	Alterations of the Transcriptome of Sulfolobus acidocaldarius by Exoribonuclease aCPSF2. PLoS ONE, 2013, 8, e76569.	1.1	21
132	Early Response of Sulfolobus acidocaldarius to Nutrient Limitation. Frontiers in Microbiology, 2018, 9, 3201.	1.5	21
133	Functional curation of the Sulfolobus solfataricus P2 and S. acidocaldarius 98-3 complete genome sequences. Extremophiles, 2011, 15, 711-712.	0.9	20
134	<scp>BarR</scp>, an <scp>Lrp</scp>â€type transcription factor in <scp>S</scp>ulfolobus acidocaldarius, regulates an aminotransferase gene in a Î²â€alanine responsive manner. Molecular Microbiology, 2014, 92, 625-639.	1.2	20
135	Insights into synthesis and function of KsgA/Dim1-dependent rRNA modifications in archaea. Nucleic Acids Research, 2021, 49, 1662-1687.	6.5	20
136	Nâ€glycosylation in the thermoacidophilic archaeon Sulfolobus acidocaldarius involves a short dolichol pyrophosphate carrier. FEBS Letters, 2016, 590, 3168-3178.	1.3	19
137	Taxis in archaea. Emerging Topics in Life Sciences, 2018, 2, 535-546.	1.1	19
138	Determinants of sulphur chemolithoautotrophy in the extremely thermoacidophilicSulfolobales. Environmental Microbiology, 2019, 21, 3696-3710.	1.8	19
139	Salt Stress Response of Sulfolobus acidocaldarius Involves Complex Trehalose Metabolism Utilizing a Novel Trehalose-6-Phosphate Synthase (TPS)/Trehalose-6-Phosphate Phosphatase (TPP) Pathway. Applied and Environmental Microbiology, 2020, 86, .	1.4	19
140	An Oscillating MinD Protein Determines the Cellular Positioning of the Motility Machinery in Archaea. Current Biology, 2020, 30, 4956-4972.e4.	1.8	19
141	The switch complex ArlCDE connects the chemotaxis system and the archaellum. Molecular Microbiology, 2020, 114, 468-479.	1.2	19
142	Species-Specific Recognition of Sulfolobales Mediated by UV-Inducible Pili and S-Layer Glycosylation Patterns. MBio, 2020, 11, .	1.8	19
143	The archaeal exosome localizes to the membrane. FEBS Letters, 2010, 584, 2791-2795.	1.3	18
144	Unraveling the function of the two Entnerâ€“Doudoroff branches in the thermoacidophilic CrenarchaeonSulfolobusÂsolfataricusP2. FEBS Journal, 2013, 280, 1126-1138.	2.2	18

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145	Characterization of the ATPase FlaI of the motor complex of thePyrococcus furiosusarchaellum and its interactions between the ATP-binding protein FlaH. PeerJ, 2018, 6, e4984.	0.9	18
146	Global effect of the lack of inorganic polyphosphate in the extremophilic archaeon Sulfolobus solfataricus: A proteomic approach. Journal of Proteomics, 2019, 191, 143-152.	1.2	17
147	Saltâ€dependent regulation of archaellins in Haloarcula marismortui. MicrobiologyOpen, 2019, 8, e00718.	1.2	16
148	The Phosphatase PP2A Interacts With ArnA and ArnB to Regulate the Oligomeric State and the Stability of the ArnA/B Complex. Frontiers in Microbiology, 2020, 11, 1849.	1.5	15
149	Identification of XylR, the Activator of Arabinose/Xylose Inducible Regulon in Sulfolobus acidocaldarius and Its Application for Homologous Protein Expression. Frontiers in Microbiology, 2020, 11, 1066.	1.5	15
150	Thermodynamics of the ATPase Cycle of GlcV, the Nucleotide-Binding Domain of the Glucose ABC Transporter of Sulfolobus solfataricus. Biochemistry, 2006, 45, 15056-15067.	1.2	14
151	A comprehensive history of motility and Archaellation in Archaea. FEMS Microbes, 2021, 2, .	0.8	14
152	The Family Sulfolobaceae. , 2014, , 323-346.		14
153	SaUspA, the Universal Stress Protein of Sulfolobus acidocaldarius Stimulates the Activity of the PP2A Phosphatase and Is Involved in Growth at High Salinity. Frontiers in Microbiology, 2020, 11, 598821.	1.5	13
154	Analysis of Cellâ€“Cell Bridges in Haloferax volcanii Using Electron Cryo-Tomography Reveal a Continuous Cytoplasm and S-Layer. Frontiers in Microbiology, 2020, 11, 612239.	1.5	13
155	A conserved hexanucleotide motif is important in UV-inducible promoters in Sulfolobus acidocaldarius. Microbiology (United Kingdom), 2017, 163, 778-788.	0.7	13
156	Putative Nucleotide-Based Second Messengers in the Archaeal Model Organisms Haloferax volcanii and Sulfolobus acidocaldarius. Frontiers in Microbiology, 2021, 12, 779012.	1.5	13
157	Dissection of key determinants of cleavage activity in signal peptidase III (SPaseIII) PibD. Extremophiles, 2014, 18, 905-913.	0.9	12
158	Two membrane-bound transcription factors regulate expression of various type-IV-pili surface structures in Sulfolobus acidocaldarius. PeerJ, 2019, 7, e6459.	0.9	12
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