

John van der Oost

List of Publications by Year in descending order

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144
papers

25,321
citations

30070

54
h-index

9103

144
g-index

152
all docs

152
docs citations

152
times ranked

19243
citing authors

#	ARTICLE	IF	CITATIONS
1	(R)evolution-on-a-chip. Trends in Biotechnology, 2022, 40, 60-76.	9.3	11
2	Domestication of proteins “ from evolution to revolution. Microbial Biotechnology, 2022, 15, 189-190.	4.2	1
3	Alternative functions of CRISPR“Cas systems in the evolutionary arms race. Nature Reviews Microbiology, 2022, 20, 351-364.	28.6	44
4	Comparative Metagenomic Analysis of Biosynthetic Diversity across Sponge Microbiomes Highlights Metabolic Novelty, Conservation, and Diversification. MSystems, 2022, 7, .	3.8	8
5	Streamlined CRISPR genome engineering in wild-type bacteria using SIBR-Cas. Nucleic Acids Research, 2021, 49, 11392-11404.	14.5	15
6	Gut bacteriophage dynamics during fecal microbial transplantation in subjects with metabolic syndrome. Gut Microbes, 2021, 13, 1-15.	9.8	24
7	Development of a Cas12a-Based Genome Editing Tool for Moderate Thermophiles. CRISPR Journal, 2021, 4, 82-91.	2.9	10
8	Towards a synthetic cell cycle. Nature Communications, 2021, 12, 4531.	12.8	53
9	High-throughput insertional mutagenesis reveals novel targets for enhancing lipid accumulation in Nannochloropsis oceanica. Metabolic Engineering, 2021, 66, 239-258.	7.0	37
10	SCOPE enables type III CRISPR-Cas diagnostics using flexible targeting and stringent CARF ribonuclease activation. Nature Communications, 2021, 12, 5033.	12.8	57
11	Synthetic Biology Approaches To Enhance Microalgal Productivity. Trends in Biotechnology, 2021, 39, 1019-1036.	9.3	41
12	(Hyper)Thermophilic Enzymes: Production and Purification. Methods in Molecular Biology, 2021, 2178, 469-478.	0.9	3
13	Comprehensive Genome Engineering Toolbox for Microalgae <i>Nannochloropsis oceanica</i> Based on CRISPR-Cas Systems. ACS Synthetic Biology, 2021, 10, 3369-3378.	3.8	29
14	A Hyperthermoactive-Cas9 Editing Tool Reveals the Role of a Unique Arsenite Methyltransferase in the Arsenic Resistance System of Thermus thermophilus HB27. MBio, 2021, 12, e0281321.	4.1	8
15	Adaptation and application of a two-plasmid inducible CRISPR-Cas9 system in Clostridium beijerinckii. Methods, 2020, 172, 51-60.	3.8	24
16	Medium-throughput in vitro detection of DNA cleavage by CRISPR-Cas12a. Methods, 2020, 172, 27-31.	3.8	2
17	Evolutionary classification of CRISPR“Cas systems: a burst of class 2 and derived variants. Nature Reviews Microbiology, 2020, 18, 67-83.	28.6	1,427
18	Highly specific enrichment of rare nucleic acid fractions using Thermus thermophilus argonaute with applications in cancer diagnostics. Nucleic Acids Research, 2020, 48, e19-e19.	14.5	76

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19	Transcriptomic and Phenotypic Analysis of a spoII E Mutant in <i>Clostridium beijerinckii</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 556064.	3.5	8
20	The Ongoing Quest to Crack the Genetic Code for Protein Production. <i>Molecular Cell</i> , 2020, 80, 193-209.	9.7	36
21	Eat1-Like Alcohol Acyl Transferases From Yeasts Have High Alcoholysis and Thiolysis Activity. <i>Frontiers in Microbiology</i> , 2020, 11, 579844.	3.5	7
22	Growth-uncoupled isoprenoid synthesis in <i>Rhodobacter sphaeroides</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 123.	6.2	15
23	CRISPR with a Happy Ending: Non-templated DNA Repair for Prokaryotic Genome Engineering. <i>Biotechnology Journal</i> , 2020, 15, e1900404.	3.5	9
24	Guide-free Cas9 from pathogenic <i>Campylobacter jejuni</i> bacteria causes severe damage to DNA. <i>Science Advances</i> , 2020, 6, eaaz4849.	10.3	31
25	High-Speed Super-Resolution Imaging Using Protein-Assisted DNA-PAINT. <i>Nano Letters</i> , 2020, 20, 2264-2270.	9.1	45
26	First structural insights into CRISPR-Cas-guided DNA transposition. <i>Cell Research</i> , 2020, 30, 193-194.	12.0	7
27	Good guide, bad guide: spacer sequence-dependent cleavage efficiency of Cas12a. <i>Nucleic Acids Research</i> , 2020, 48, 3228-3243.	14.5	62
28	From Eat to trEat: engineering the mitochondrial Eat1 enzyme for enhanced ethyl acetate production in <i>Escherichia coli</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 76.	6.2	12
29	Multilevel optimisation of anaerobic ethyl acetate production in engineered <i>Escherichia coli</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 65.	6.2	15
30	Editor's cut: DNA cleavage by CRISPR RNA-guided nucleases Cas9 and Cas12a. <i>Biochemical Society Transactions</i> , 2020, 48, 207-219.	3.4	14
31	Pathogen-induced activation of disease-suppressive functions in the endophytic root microbiome. <i>Science</i> , 2019, 366, 606-612.	12.6	621
32	Argonaute bypasses cellular obstacles without hindrance during target search. <i>Nature Communications</i> , 2019, 10, 4390.	12.8	16
33	Incorporation of a Synthetic Amino Acid into dCas9 Improves Control of Gene Silencing. <i>ACS Synthetic Biology</i> , 2019, 8, 216-222.	3.8	12
34	Bicistronic Design-Based Continuous and High-Level Membrane Protein Production in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 1685-1690.	3.8	23
35	Distant Non-Obvious Mutations Influence the Activity of a Hyperthermophilic <i>Pyrococcus furiosus</i> Phosphoglucose Isomerase. <i>Biomolecules</i> , 2019, 9, 212.	4.0	11
36	Multiplex genome editing of microorganisms using CRISPR-Cas. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	80

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37	DNA-guided DNA cleavage at moderate temperatures by <i>Clostridium butyricum</i> Argonaute. <i>Nucleic Acids Research</i> , 2019, 47, 5809-5821.	14.5	115
38	CRISPR-Cas ribonucleoprotein mediated homology-directed repair for efficient targeted genome editing in microalgae <i>Nannochloropsis oceanica</i> IMET1. <i>Biotechnology for Biofuels</i> , 2019, 12, 66.	6.2	66
39	Addiction systems antagonize bacterial adaptive immunity. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	5
40	The Use of Defined Microbial Communities To Model Host-Microbe Interactions in the Human Gut. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	6.6	56
41	Microbial Diversity and Organic Acid Production of Guinea Pig Faecal Samples. <i>Current Microbiology</i> , 2019, 76, 425-434.	2.2	2
42	Harnessing type I CRISPR-Cas systems for genome engineering in human cells. <i>Nature Biotechnology</i> , 2019, 37, 1471-1477.	17.5	91
43	Efficient Cas9-based genome editing of <i>Rhodobacter sphaeroides</i> for metabolic engineering. <i>Microbial Cell Factories</i> , 2019, 18, 204.	4.0	20
44	Bowel Biofilms: Tipping Points between a Healthy and Compromised Gut?. <i>Trends in Microbiology</i> , 2019, 27, 17-25.	7.7	97
45	Improved protein production and codon optimization analyses in <i>Escherichia coli</i> by bicistronic design. <i>Microbial Biotechnology</i> , 2019, 12, 173-179.	4.2	35
46	Mining for novel bacterial defence systems. <i>Nature Microbiology</i> , 2018, 3, 535-536.	13.3	2
47	Exploration and exploitation of the environment for novel specialized metabolites. <i>Current Opinion in Biotechnology</i> , 2018, 50, 206-213.	6.6	32
48	Hijacking CRISPR-Cas for high-throughput bacterial metabolic engineering: advances and prospects. <i>Current Opinion in Biotechnology</i> , 2018, 50, 146-157.	6.6	59
49	Progress of CRISPR-Cas Based Genome Editing in Photosynthetic Microbes. <i>Biotechnology Journal</i> , 2018, 13, e1700591.	3.5	38
50	Bacteriophage DNA glucosylation impairs target DNA binding by type I and II but not by type V CRISPR-Cas effector complexes. <i>Nucleic Acids Research</i> , 2018, 46, 873-885.	14.5	57
51	Converting <i>Escherichia coli</i> into an archaeobacterium with a hybrid heterochiral membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3704-3709.	7.1	68
52	Prokaryotic Argonaute proteins: novel genome-editing tools?. <i>Nature Reviews Microbiology</i> , 2018, 16, 5-11.	28.6	134
53	Complete Genome Sequence of <i>Geobacillus thermodenitrificans</i> T12, A Potential Host for Biotechnological Applications. <i>Current Microbiology</i> , 2018, 75, 49-56.	2.2	15
54	Contribution of Eat1 and Other Alcohol Acyltransferases to Ester Production in <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3202.	3.5	25

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55	Alcohol Acetyltransferase Eat1 Is Located in Yeast Mitochondria. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	20
56	Engineering <i>Geobacillus thermodenitrificans</i> to introduce cellulolytic activity; expression of native and heterologous cellulase genes. <i>BMC Biotechnology</i> , 2018, 18, 42.	3.3	15
57	Shooting the messenger: RNA-targeting CRISPR-Cas systems. <i>Bioscience Reports</i> , 2018, 38, .	2.4	28
58	Genome editing by natural and engineered CRISPR-associated nucleases. <i>Nature Chemical Biology</i> , 2018, 14, 642-651.	8.0	91
59	Heterologous Expression and Purification of the CRISPR-Cas12a/Cpf1 Protein. <i>Bio-protocol</i> , 2018, 8, e2842.	0.4	21
60	Efficient Genome Editing of a Facultative Thermophile Using Mesophilic spCas9. <i>ACS Synthetic Biology</i> , 2017, 6, 849-861.	3.8	56
61	Autonomous Generation and Loading of DNA Guides by Bacterial Argonaute. <i>Molecular Cell</i> , 2017, 65, 985-998.e6.	9.7	103
62	A growth- and bioluminescence-based bioreporter for the <i>in vivo</i> detection of novel biocatalysts. <i>Microbial Biotechnology</i> , 2017, 10, 625-641.	4.2	5
63	Structural Basis for Guide RNA Processing and Seed-Dependent DNA Targeting by CRISPR-Cas12a. <i>Molecular Cell</i> , 2017, 66, 221-233.e4.	9.7	408
64	Multiplex gene editing by CRISPR-Cpf1 using a single crRNA array. <i>Nature Biotechnology</i> , 2017, 35, 31-34.	17.5	736
65	Adaptations of archaeal and bacterial membranes to variations in temperature, pH and pressure. <i>Extremophiles</i> , 2017, 21, 651-670.	2.3	293
66	<i>Monascus ruber</i> as cell factory for lactic acid production at low pH. <i>Metabolic Engineering</i> , 2017, 42, 66-73.	7.0	19
67	Ethyl acetate production by the elusive alcohol acetyltransferase from yeast. <i>Metabolic Engineering</i> , 2017, 41, 92-101.	7.0	106
68	Characterizing a thermostable Cas9 for bacterial genome editing and silencing. <i>Nature Communications</i> , 2017, 8, 1647.	12.8	112
69	Biochemical characterization of the xylan hydrolysis profile of the extracellular endo-xylanase from <i>Geobacillus thermodenitrificans</i> T12. <i>BMC Biotechnology</i> , 2017, 17, 44.	3.3	15
70	FnCpf1: a novel and efficient genome editing tool for <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2017, 45, 12585-12598.	14.5	116
71	<i>Streptococcus caviae</i> sp. nov., isolated from guinea pig faecal samples. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1551-1556.	1.7	10
72	Improving heterologous membrane protein production in <i>Escherichia coli</i> by combining transcriptional tuning and codon usage algorithms. <i>PLoS ONE</i> , 2017, 12, e0184355.	2.5	37

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73	Integrated In Silico Analysis of Pathway Designs for Synthetic Photo-Electro-Autotrophy. PLoS ONE, 2016, 11, e0157851.	2.5	9
74	Harnessing the power of microbial autotrophy. Nature Reviews Microbiology, 2016, 14, 692-706.	28.6	189
75	CRISPR-Cas9 gene editing: Delivery aspects and therapeutic potential. Journal of Controlled Release, 2016, 244, 139-148.	9.9	52
76	Diverse evolutionary roots and mechanistic variations of the CRISPR-Cas systems. Science, 2016, 353, aad5147.	12.6	523
77	Healthy human gut phageome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10400-10405.	7.1	439
78	Isolation of a genetically accessible thermophilic xylan degrading bacterium from compost. Biotechnology for Biofuels, 2016, 9, 210.	6.2	20
79	Structural and biochemical characterisation of Archaeoglobus fulgidus esterase reveals a bound CoA molecule in the vicinity of the active site. Scientific Reports, 2016, 6, 25542.	3.3	8
80	Complete genome sequence of thermophilic Bacillus smithii type strain DSM 4216T. Standards in Genomic Sciences, 2016, 11, 52.	1.5	13
81	Next Generation Prokaryotic Engineering: The CRISPR-Cas Toolkit. Trends in Biotechnology, 2016, 34, 575-587.	9.3	113
82	Establishment of markerless gene deletion tools in thermophilic Bacillus smithii and construction of multiple mutant strains. Microbial Cell Factories, 2015, 14, 99.	4.0	18
83	Structures of the CRISPR-Cmr complex reveal mode of RNA target positioning. Science, 2015, 348, 581-585.	12.6	126
84	Biogenesis pathways of RNA guides in archaeal and bacterial CRISPR-Cas adaptive immunity. FEMS Microbiology Reviews, 2015, 39, 428-441.	8.6	223
85	Argonaute of the archaeon Pyrococcus furiosus is a DNA-guided nuclease that targets cognate DNA. Nucleic Acids Research, 2015, 43, 5120-5129.	14.5	202
86	CRISPR sabotage. Genome Biology, 2015, 16, 248.	8.8	3
87	Formation of the ether lipids archaetidylglycerol and archaetidylethanolamine in <i>Escherichia coli</i> . Biochemical Journal, 2015, 470, 343-355.	3.7	22
88	Isolation and Screening of Thermophilic Bacilli from Compost for Electrotransformation and Fermentation: Characterization of Bacillus smithii ET 138 as a New Biocatalyst. Applied and Environmental Microbiology, 2015, 81, 1874-1883.	3.1	42
89	Genomic, Proteomic, and Biochemical Analysis of the Organohalide Respiratory Pathway in Desulfitobacterium dehalogenans. Journal of Bacteriology, 2015, 197, 893-904.	2.2	43
90	Codon Bias as a Means to Fine-Tune Gene Expression. Molecular Cell, 2015, 59, 149-161.	9.7	554

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91	Analysis of proteinâ€“RNA interactions in CRISPR proteins and effector complexes by UV-induced cross-linking and mass spectrometry. <i>Methods</i> , 2015, 89, 138-148.	3.8	25
92	Effects of Argonaute on Gene Expression in <i>Thermus thermophilus</i> . <i>PLoS ONE</i> , 2015, 10, e0124880.	2.5	44
93	An updated evolutionary classification of CRISPRâ€“Cas systems. <i>Nature Reviews Microbiology</i> , 2015, 13, 722-736.	28.6	2,081
94	Cpf1 Is a Single RNA-Guided Endonuclease of a Class 2 CRISPR-Cas System. <i>Cell</i> , 2015, 163, 759-771.	28.9	3,558
95	Beat their swords into ploughshares. <i>Microbial Biotechnology</i> , 2015, 8, 34-35.	4.2	1
96	Bacteriophage exclusion, a new defense system. <i>EMBO Journal</i> , 2015, 34, 134-135.	7.8	30
97	Archaeal MBF1 binds to 30S and 70S ribosomes via its helixâ€“turnâ€“helix domain. <i>Biochemical Journal</i> , 2014, 462, 373-384.	3.7	16
98	The Role of CRISPR-Cas Systems in Virulence of Pathogenic Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2014, 78, 74-88.	6.6	228
99	DNA-guided DNA interference by a prokaryotic Argonaute. <i>Nature</i> , 2014, 507, 258-261.	27.8	373
100	Molecular insights into DNA interference by CRISPR-associated nuclease-helicase Cas3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16359-16364.	7.1	85
101	RNA Targeting by the Type III-A CRISPR-Cas Csm Complex of <i>Thermus thermophilus</i> . <i>Molecular Cell</i> , 2014, 56, 518-530.	9.7	267
102	The evolutionary journey of Argonaute proteins. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 743-753.	8.2	400
103	Crystal structure of the CRISPR RNAâ€“guided surveillance complex from <i>Escherichia coli</i> . <i>Science</i> , 2014, 345, 1473-1479.	12.6	226
104	Unravelling the structural and mechanistic basis of CRISPRâ€“Cas systems. <i>Nature Reviews Microbiology</i> , 2014, 12, 479-492.	28.6	600
105	Prokaryotic Argonautes â€“ variations on the RNA interference theme. <i>Microbial Cell</i> , 2014, 1, 158-159.	3.2	5
106	Structure and Activity of the RNA-Targeting Type III-B CRISPR-Cas Complex of <i>Thermus thermophilus</i> . <i>Molecular Cell</i> , 2013, 52, 135-145.	9.7	212
107	New Tool for Genome Surgery. <i>Science</i> , 2013, 339, 768-770.	12.6	44
108	Massive Activation of Archaeal Defense Genes during Viral Infection. <i>Journal of Virology</i> , 2013, 87, 8419-8428.	3.4	84

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109	Biohydrogen Production by the Thermophilic Bacterium <i>Caldicellulosiruptor saccharolyticus</i> : Current Status and Perspectives. <i>Life</i> , 2013, 3, 52-85.	2.4	39
110	Cascade-mediated binding and bending of negatively supercoiled DNA. <i>RNA Biology</i> , 2012, 9, 1134-1138.	3.1	37
111	CRISPR Immunity Relies on the Consecutive Binding and Degradation of Negatively Supercoiled Invader DNA by Cascade and Cas3. <i>Molecular Cell</i> , 2012, 46, 595-605.	9.7	475
112	The CRISPRs, They Are A-Changin': How Prokaryotes Generate Adaptive Immunity. <i>Annual Review of Genetics</i> , 2012, 46, 311-339.	7.6	260
113	Thermal Stabilization of an Endoglucanase by Cyclization. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 2039-2053.	2.9	16
114	Virus-like particle nanoreactors: programmed encapsulation of the thermostable CelB glycosidase inside the P22 capsid. <i>Soft Matter</i> , 2012, 8, 10158.	2.7	100
115	Kinetic and Stoichiometric Characterisation of Streptavidin-Binding Aptamers. <i>ChemBioChem</i> , 2012, 13, 829-836.	2.6	24
116	Synthesis of non-natural carbohydrates from glycerol and aldehydes in a one-pot four-enzyme cascade reaction. <i>Green Chemistry</i> , 2011, 13, 2895.	9.0	49
117	Structures of the RNA-guided surveillance complex from a bacterial immune system. <i>Nature</i> , 2011, 477, 486-489.	27.8	355
118	Evolution and classification of the CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , 2011, 9, 467-477.	28.6	2,078
119	Structural basis for CRISPR RNA-guided DNA recognition by Cascade. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 529-536.	8.2	498
120	Interference by clustered regularly interspaced short palindromic repeat (CRISPR) RNA is governed by a seed sequence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10098-10103.	7.1	665
121	Structure of the ribosome associating GTPase HflX. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 705-713.	2.6	19
122	CRISPR-based adaptive and heritable immunity in prokaryotes. <i>Trends in Biochemical Sciences</i> , 2009, 34, 401-407.	7.5	453
123	RNAi: Prokaryotes Get in on the Act. <i>Cell</i> , 2009, 139, 863-865.	28.9	22
124	Characterization of a thermostable dihydrodipicolinate synthase from <i>Thermoanaerobacter tengcongensis</i> . <i>Extremophiles</i> , 2008, 12, 461-469.	2.3	20
125	Small CRISPR RNAs Guide Antiviral Defense in Prokaryotes. <i>Science</i> , 2008, 321, 960-964.	12.6	2,138
126	Divergent roles of CprK paralogues from <i>Desulfitobacterium hafniense</i> in activating gene expression. <i>Microbiology (United Kingdom)</i> , 2008, 154, 3686-3696.	1.8	22

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127	A Global Transcriptional Regulator in <i>Thermococcus kodakaraensis</i> Controls the Expression Levels of Both Glycolytic and Gluconeogenic Enzyme-encoding Genes. <i>Journal of Biological Chemistry</i> , 2007, 282, 33659-33670.	3.4	79
128	Two novel conjugative plasmids from a single strain of <i>Sulfolobus</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1951-1968.	1.8	26
129	Molecular characterization of a conserved archaeal copper resistance (<i>cop</i>) gene cluster and its copper-responsive regulator in <i>Sulfolobus solfataricus</i> P2. <i>Microbiology (United Kingdom)</i> , 2006, 152, 1969-1979.	1.8	49
130	The Lrp family of transcriptional regulators. <i>Molecular Microbiology</i> , 2003, 48, 287-294.	2.5	252
131	Identification and Molecular Characterization of a Novel Type of β -galactosidase from <i>Pyrococcus furiosus</i> . <i>Biocatalysis and Biotransformation</i> , 2003, 21, 243-252.	2.0	27
132	Molecular characterization of phosphoglycerate mutase in archaea. <i>FEMS Microbiology Letters</i> , 2002, 212, 111-120.	1.8	43
133	Genetic and biochemical characterization of a short-chain alcohol dehydrogenase from the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 2001, 268, 3062-3068.	0.2	50
134	The NADH oxidase from <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 2001, 268, 5816-5823.	0.2	60
135	Improved oligosaccharide synthesis by protein engineering of β -glucosidase CelB from hyperthermophilic <i>Pyrococcus furiosus</i> . <i>Biotechnology and Bioengineering</i> , 2001, 73, 203-210.	3.3	77
136	Cytochromes c 550, c 552, and c 1 in the Electron Transport Network of <i>Paracoccus denitrificans</i> : Redundant or Subtly Different in Function?. <i>Journal of Bacteriology</i> , 2001, 183, 7017-7026.	2.2	24
137	Activity and stability of hyperthermophilic enzymes: a comparative study on two archaeal β -glucosidases. <i>Extremophiles</i> , 2000, 4, 157-164.	2.3	32
138	Plasmid pGS5 from the Hyperthermophilic Archaeon <i>Archaeoglobus profundus</i> Is Negatively Supercoiled. <i>Journal of Bacteriology</i> , 2000, 182, 4998-5000.	2.2	33
139	Improving Low-Temperature Catalysis in the Hyperthermostable <i>Pyrococcus furiosus</i> β -Glucosidase CelB by Directed Evolution. <i>Biochemistry</i> , 2000, 39, 3656-3665.	2.5	83
140	Sugar utilization and its control in hyperthermophiles. <i>Extremophiles</i> , 1998, 2, 201-205.	2.3	42
141	Completing the sequence of the <i>Sulfolobus solfataricus</i> P2 genome. <i>Extremophiles</i> , 1998, 2, 305-312.	2.3	58
142	FnrP and NNR of <i>Paracoccus denitrificans</i> are both members of the FNR family of transcriptional activators but have distinct roles in respiratory adaptation in response to oxygen limitation. <i>Molecular Microbiology</i> , 1997, 23, 893-907.	2.5	120
143	Structural and functional analysis of aa3-type and cbb3-type cytochrome c oxidases of <i>Paracoccus denitrificans</i> reveals significant differences in proton-pump design. <i>Molecular Microbiology</i> , 1996, 20, 1247-1260.	2.5	100
144	Adaptation by Type V-A and V-B CRISPR-Cas Systems Demonstrates Conserved Protospacer Selection Mechanisms Between Diverse CRISPR-Cas Types. <i>CRISPR Journal</i> , 0, , .	2.9	1