

John van der Oost

List of Publications by Year in descending order

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144
papers

25,321
citations

30070

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9103

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all docs

152
docs citations

152
times ranked

19243
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Small CRISPR RNAs Guide Antiviral Defense in Prokaryotes. <i>Science</i> , 2008, 321, 960-964.	12.6	2,138
3	An updated evolutionary classification of CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , 2015, 13, 722-736.	28.6	2,081
4	Evolution and classification of the CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , 2011, 9, 467-477.	28.6	2,078
5	Evolutionary classification of CRISPR-Cas systems: a burst of class 2 and derived variants. <i>Nature Reviews Microbiology</i> , 2020, 18, 67-83.	28.6	1,427
6	Multiplex gene editing by CRISPR-Cpf1 using a single crRNA array. <i>Nature Biotechnology</i> , 2017, 35, 31-34.	17.5	736
7	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
8	Pathogen-induced activation of disease-suppressive functions in the endophytic root microbiome. <i>Science</i> , 2019, 366, 606-612.	12.6	621
9	Unravelling the structural and mechanistic basis of CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , 2014, 12, 479-492.	28.6	600
10	Codon Bias as a Means to Fine-Tune Gene Expression. <i>Molecular Cell</i> , 2015, 59, 149-161.	9.7	554
11	Diverse evolutionary roots and mechanistic variations of the CRISPR-Cas systems. <i>Science</i> , 2016, 353, aad5147.	12.6	523
12	Structural basis for CRISPR RNA-guided DNA recognition by Cascade. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 529-536.	8.2	498
13	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
14	CRISPR-based adaptive and heritable immunity in prokaryotes. <i>Trends in Biochemical Sciences</i> , 2009, 34, 401-407.	7.5	453
15	Healthy human gut phageome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10400-10405.	7.1	439
16	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
17	The evolutionary journey of Argonaute proteins. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 743-753.	8.2	400
18	DNA-guided DNA interference by a prokaryotic Argonaute. <i>Nature</i> , 2014, 507, 258-261.	27.8	373

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19	Structures of the RNA-guided surveillance complex from a bacterial immune system. <i>Nature</i> , 2011, 477, 486-489.	27.8	355
20	Adaptations of archaeal and bacterial membranes to variations in temperature, pH and pressure. <i>Extremophiles</i> , 2017, 21, 651-670.	2.3	293
21	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
22	The CRISPRs, They Are A-Changin': How Prokaryotes Generate Adaptive Immunity. <i>Annual Review of Genetics</i> , 2012, 46, 311-339.	7.6	260
23	The Lrp family of transcriptional regulators. <i>Molecular Microbiology</i> , 2003, 48, 287-294.	2.5	252
24	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
25	Crystal structure of the CRISPR RNA-guided surveillance complex from <i>Escherichia coli</i> . <i>Science</i> , 2014, 345, 1473-1479.	12.6	226
26	Biogenesis pathways of RNA guides in archaeal and bacterial CRISPR-Cas adaptive immunity. <i>FEMS Microbiology Reviews</i> , 2015, 39, 428-441.	8.6	223
27	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
28	Argonaute of the archaeon <i>Pyrococcus furiosus</i> is a DNA-guided nuclease that targets cognate DNA. <i>Nucleic Acids Research</i> , 2015, 43, 5120-5129.	14.5	202
29	Harnessing the power of microbial autotrophy. <i>Nature Reviews Microbiology</i> , 2016, 14, 692-706.	28.6	189
30	Prokaryotic Argonaute proteins: novel genome-editing tools?. <i>Nature Reviews Microbiology</i> , 2018, 16, 5-11.	28.6	134
31	Structures of the CRISPR-Cmr complex reveal mode of RNA target positioning. <i>Science</i> , 2015, 348, 581-585.	12.6	126
32	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
33	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
34	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
35	Next Generation Prokaryotic Engineering: The CRISPR-Cas Toolkit. <i>Trends in Biotechnology</i> , 2016, 34, 575-587.	9.3	113
36	Characterizing a thermostable Cas9 for bacterial genome editing and silencing. <i>Nature Communications</i> , 2017, 8, 1647.	12.8	112

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37	Ethyl acetate production by the elusive alcohol acetyltransferase from yeast. <i>Metabolic Engineering</i> , 2017, 41, 92-101.	7.0	106
38	Autonomous Generation and Loading of DNA Guides by Bacterial Argonaute. <i>Molecular Cell</i> , 2017, 65, 985-998.e6.	9.7	103
39	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
40	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
41	Bowel Biofilms: Tipping Points between a Healthy and Compromised Gut?. <i>Trends in Microbiology</i> , 2019, 27, 17-25.	7.7	97
42	Genome editing by natural and engineered CRISPR-associated nucleases. <i>Nature Chemical Biology</i> , 2018, 14, 642-651.	8.0	91
43	Harnessing type I CRISPR-Cas systems for genome engineering in human cells. <i>Nature Biotechnology</i> , 2019, 37, 1471-1477.	17.5	91
44	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
45	Massive Activation of Archaeal Defense Genes during Viral Infection. <i>Journal of Virology</i> , 2013, 87, 8419-8428.	3.4	84
46	Improving Low-Temperature Catalysis in the Hyperthermostable <i>Pyrococcus furiosus</i> Î ² -Glucosidase CelB by Directed Evolution. <i>Biochemistry</i> , 2000, 39, 3656-3665.	2.5	83
47	Multiplex genome editing of microorganisms using CRISPR-Cas. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	80
48	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
49	Improved oligosaccharide synthesis by protein engineering of Î ² -glucosidase CelB from hyperthermophilic <i>Pyrococcus furiosus</i> . <i>Biotechnology and Bioengineering</i> , 2001, 73, 203-210.	3.3	77
50	Highly specific enrichment of rare nucleic acid fractions using <i>Thermus thermophilus</i> argonaute with applications in cancer diagnostics. <i>Nucleic Acids Research</i> , 2020, 48, e19-e19.	14.5	76
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	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
53	Good guide, bad guide: spacer sequence-dependent cleavage efficiency of Cas12a. <i>Nucleic Acids Research</i> , 2020, 48, 3228-3243.	14.5	62
54	The NADH oxidase from <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 2001, 268, 5816-5823.	0.2	60

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55	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
56	Completing the sequence of the <i>Sulfolobus solfataricus</i> P2 genome. <i>Extremophiles</i> , 1998, 2, 305-312.	2.3	58
57	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
58	SCOPE enables type III CRISPR-Cas diagnostics using flexible targeting and stringent CARF ribonuclease activation. <i>Nature Communications</i> , 2021, 12, 5033.	12.8	57
59	Efficient Genome Editing of a Facultative Thermophile Using Mesophilic spCas9. <i>ACS Synthetic Biology</i> , 2017, 6, 849-861.	3.8	56
60	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
61	Towards a synthetic cell cycle. <i>Nature Communications</i> , 2021, 12, 4531.	12.8	53
62	CRISPR-Cas9 gene editing: Delivery aspects and therapeutic potential. <i>Journal of Controlled Release</i> , 2016, 244, 139-148.	9.9	52
63	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
64	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
65	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
66	High-Speed Super-Resolution Imaging Using Protein-Assisted DNA-PAINT. <i>Nano Letters</i> , 2020, 20, 2264-2270.	9.1	45
67	New Tool for Genome Surgery. <i>Science</i> , 2013, 339, 768-770.	12.6	44
68	Effects of Argonaute on Gene Expression in <i>Thermus thermophilus</i> . <i>PLoS ONE</i> , 2015, 10, e0124880.	2.5	44
69	Alternative functions of CRISPR-Cas systems in the evolutionary arms race. <i>Nature Reviews Microbiology</i> , 2022, 20, 351-364.	28.6	44
70	Molecular characterization of phosphoglycerate mutase in archaea. <i>FEMS Microbiology Letters</i> , 2002, 212, 111-120.	1.8	43
71	Genomic, Proteomic, and Biochemical Analysis of the Organohalide Respiratory Pathway in <i>Desulfitobacterium dehalogenans</i> . <i>Journal of Bacteriology</i> , 2015, 197, 893-904.	2.2	43
72	Sugar utilization and its control in hyperthermophiles. <i>Extremophiles</i> , 1998, 2, 201-205.	2.3	42

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73	Isolation and Screening of Thermophilic Bacilli from Compost for Electrotransformation and Fermentation: Characterization of <i>Bacillus smithii</i> ET 138 as a New Biocatalyst. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1874-1883.	3.1	42
74	Synthetic Biology Approaches To Enhance Microalgal Productivity. <i>Trends in Biotechnology</i> , 2021, 39, 1019-1036.	9.3	41
75	Biohydrogen Production by the Thermophilic Bacterium <i>Caldicellulosiruptor saccharolyticus</i> : Current Status and Perspectives. <i>Life</i> , 2013, 3, 52-85.	2.4	39
76	Progress of CRISPR-Cas Based Genome Editing in Photosynthetic Microbes. <i>Biotechnology Journal</i> , 2018, 13, e1700591.	3.5	38
77	Cascade-mediated binding and bending of negatively supercoiled DNA. <i>RNA Biology</i> , 2012, 9, 1134-1138.	3.1	37
78	High-throughput insertional mutagenesis reveals novel targets for enhancing lipid accumulation in <i>Nannochloropsis oceanica</i> . <i>Metabolic Engineering</i> , 2021, 66, 239-258.	7.0	37
79	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
80	The Ongoing Quest to Crack the Genetic Code for Protein Production. <i>Molecular Cell</i> , 2020, 80, 193-209.	9.7	36
81	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
82	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
83	Activity and stability of hyperthermophilic enzymes: a comparative study on two archaeal β -glucosidases. <i>Extremophiles</i> , 2000, 4, 157-164.	2.3	32
84	Exploration and exploitation of the environment for novel specialized metabolites. <i>Current Opinion in Biotechnology</i> , 2018, 50, 206-213.	6.6	32
85	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
86	Bacteriophage exclusion, a new defense system. <i>EMBO Journal</i> , 2015, 34, 134-135.	7.8	30
87	Comprehensive Genome Engineering Toolbox for Microalgae <i>Nannochloropsis oceanica</i> Based on CRISPR-Cas Systems. <i>ACS Synthetic Biology</i> , 2021, 10, 3369-3378.	3.8	29
88	Shooting the messenger: RNA-targeting CRISPR-Cas systems. <i>Bioscience Reports</i> , 2018, 38, .	2.4	28
89	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
90	Two novel conjugative plasmids from a single strain of <i>Sulfolobus</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1951-1968.	1.8	26

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91	Analysis of protein-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	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
93	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
94	Kinetic and Stoichiometric Characterisation of Streptavidin-Binding Aptamers. <i>ChemBioChem</i> , 2012, 13, 829-836.	2.6	24
95	Adaptation and application of a two-plasmid inducible CRISPR-Cas9 system in <i>Clostridium beijerinckii</i> . <i>Methods</i> , 2020, 172, 51-60.	3.8	24
96	Gut bacteriophage dynamics during fecal microbial transplantation in subjects with metabolic syndrome. <i>Gut Microbes</i> , 2021, 13, 1-15.	9.8	24
97	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
98	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
99	RNAi: Prokaryotes Get in on the Act. <i>Cell</i> , 2009, 139, 863-865.	28.9	22
100	Formation of the ether lipids archaetidylglycerol and archaetidylethanolamine in <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 2015, 470, 343-355.	3.7	22
101	Heterologous Expression and Purification of the CRISPR-Cas12a/Cpf1 Protein. <i>Bio-protocol</i> , 2018, 8, e2842.	0.4	21
102	Characterization of a thermostable dihydrodipicolinate synthase from <i>Thermoanaerobacter tengcongensis</i> . <i>Extremophiles</i> , 2008, 12, 461-469.	2.3	20
103	Isolation of a genetically accessible thermophilic xylan degrading bacterium from compost. <i>Biotechnology for Biofuels</i> , 2016, 9, 210.	6.2	20
104	Alcohol Acetyltransferase Eat1 Is Located in Yeast Mitochondria. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	20
105	Efficient Cas9-based genome editing of <i>Rhodobacter sphaeroides</i> for metabolic engineering. <i>Microbial Cell Factories</i> , 2019, 18, 204.	4.0	20
106	Structure of the ribosome associating GTPase HflX. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 705-713.	2.6	19
107	<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
108	Establishment of markerless gene deletion tools in thermophilic <i>Bacillus smithii</i> and construction of multiple mutant strains. <i>Microbial Cell Factories</i> , 2015, 14, 99.	4.0	18

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109	Thermal Stabilization of an Endoglucanase by Cyclization. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 2039-2053.	2.9	16
110	Archaeal MBF1 binds to 30S and 70S ribosomes via its helix- <i>turn</i> -helix domain. <i>Biochemical Journal</i> , 2014, 462, 373-384.	3.7	16
111	Argonaute bypasses cellular obstacles without hindrance during target search. <i>Nature Communications</i> , 2019, 10, 4390.	12.8	16
112	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
113	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
114	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
115	Growth-uncoupled isoprenoid synthesis in <i>Rhodobacter sphaeroides</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 123.	6.2	15
116	Multilevel optimisation of anaerobic ethyl acetate production in engineered <i>Escherichia coli</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 65.	6.2	15
117	Streamlined CRISPR genome engineering in wild-type bacteria using SIBR-Cas. <i>Nucleic Acids Research</i> , 2021, 49, 11392-11404.	14.5	15
118	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
119	Complete genome sequence of thermophilic <i>Bacillus smithii</i> type strain DSM 4216T. <i>Standards in Genomic Sciences</i> , 2016, 11, 52.	1.5	13
120	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
121	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
122	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
123	(R)evolution-on-a-chip. <i>Trends in Biotechnology</i> , 2022, 40, 60-76.	9.3	11
124	Development of a Cas12a-Based Genome Editing Tool for Moderate Thermophiles. <i>CRISPR Journal</i> , 2021, 4, 82-91.	2.9	10
125	<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
126	Integrated In Silico Analysis of Pathway Designs for Synthetic Photo-Electro-Autotrophy. <i>PLoS ONE</i> , 2016, 11, e0157851.	2.5	9

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127	CRISPR with a Happy Ending: Non-templated DNA Repair for Prokaryotic Genome Engineering. <i>Biotechnology Journal</i> , 2020, 15, e1900404.	3.5	9
128	Structural and biochemical characterisation of <i>Archaeoglobus fulgidus</i> esterase reveals a bound CoA molecule in the vicinity of the active site. <i>Scientific Reports</i> , 2016, 6, 25542.	3.3	8
129	Transcriptomic and Phenotypic Analysis of a spoIIIE Mutant in <i>Clostridium beijerinckii</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 556064.	3.5	8
130	A Hyperthermoactive-Cas9 Editing Tool Reveals the Role of a Unique Arsenite Methyltransferase in the Arsenic Resistance System of <i>Thermus thermophilus</i> HB27. <i>MBio</i> , 2021, 12, e0281321.	4.1	8
131	Comparative Metagenomic Analysis of Biosynthetic Diversity across Sponge Microbiomes Highlights Metabolic Novelty, Conservation, and Diversification. <i>MSystems</i> , 2022, 7, .	3.8	8
132	Eat1-Like Alcohol Acyl Transferases From Yeasts Have High Alcoholysis and Thiolysis Activity. <i>Frontiers in Microbiology</i> , 2020, 11, 579844.	3.5	7
133	First structural insights into CRISPR-Cas-guided DNA transposition. <i>Cell Research</i> , 2020, 30, 193-194.	12.0	7
134	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
135	Addiction systems antagonize bacterial adaptive immunity. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	5
136	Prokaryotic Argonautes – variations on the RNA interference theme. <i>Microbial Cell</i> , 2014, 1, 158-159.	3.2	5
137	CRISPR sabotage. <i>Genome Biology</i> , 2015, 16, 248.	8.8	3
138	(Hyper)Thermophilic Enzymes: Production and Purification. <i>Methods in Molecular Biology</i> , 2021, 2178, 469-478.	0.9	3
139	Mining for novel bacterial defence systems. <i>Nature Microbiology</i> , 2018, 3, 535-536.	13.3	2
140	Microbial Diversity and Organic Acid Production of Guinea Pig Faecal Samples. <i>Current Microbiology</i> , 2019, 76, 425-434.	2.2	2
141	Medium-throughput in vitro detection of DNA cleavage by CRISPR-Cas12a. <i>Methods</i> , 2020, 172, 27-31.	3.8	2
142	Beat their swords into ploughshares. <i>Microbial Biotechnology</i> , 2015, 8, 34-35.	4.2	1
143	Domestication of proteins – from evolution to revolution. <i>Microbial Biotechnology</i> , 2022, 15, 189-190.	4.2	1
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