

Philippe Horvath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8146184/publications.pdf>

Version: 2024-02-01

49
papers

22,564
citations

147801

31
h-index

243625

44
g-index

51
all docs

51
docs citations

51
times ranked

14980
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR Provides Acquired Resistance Against Viruses in Prokaryotes. <i>Science</i> , 2007, 315, 1709-1712.	12.6	4,956
2	Cas9â€™ crRNA ribonucleoprotein complex mediates specific DNA cleavage for adaptive immunity in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2579-86.	7.1	2,217
3	An updated evolutionary classification of CRISPRâ€™Cas systems. <i>Nature Reviews Microbiology</i> , 2015, 13, 722-736.	28.6	2,081
4	Evolution and classification of the CRISPRâ€™Cas systems. <i>Nature Reviews Microbiology</i> , 2011, 9, 467-477.	28.6	2,078
5	CRISPR/Cas, the Immune System of Bacteria and Archaea. <i>Science</i> , 2010, 327, 167-170.	12.6	1,995
6	The CRISPR/Cas bacterial immune system cleaves bacteriophage and plasmid DNA. <i>Nature</i> , 2010, 468, 67-71.	27.8	1,897
7	Evolutionary classification of CRISPRâ€™Cas systems: a burst of class 2 and derived variants. <i>Nature Reviews Microbiology</i> , 2020, 18, 67-83.	28.6	1,427
8	Phage Response to CRISPR-Encoded Resistance in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 1390-1400.	2.2	1,110
9	Diversity, Activity, and Evolution of CRISPR Loci in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 1401-1412.	2.2	748
10	The <i>Streptococcus thermophilus</i> CRISPR/Cas system provides immunity in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2011, 39, 9275-9282.	14.5	701
11	Cas3 is a single-stranded DNA nuclease and ATP-dependent helicase in the CRISPR/Cas immune system. <i>EMBO Journal</i> , 2011, 30, 1335-1342.	7.8	363
12	Programmable RNA Shredding by the Type III-A CRISPR-Cas System of <i>Streptococcus thermophilus</i> . <i>Molecular Cell</i> , 2014, 56, 506-517.	9.7	278
13	Comparative analysis of CRISPR loci in lactic acid bacteria genomes. <i>International Journal of Food Microbiology</i> , 2009, 131, 62-70.	4.7	255
14	A decade of discovery: CRISPR functions and applications. <i>Nature Microbiology</i> , 2017, 2, 17092.	13.3	238
15	In vitro reconstitution of Cascade-mediated CRISPR immunity in <i>Streptococcus thermophilus</i> . <i>EMBO Journal</i> , 2013, 32, 385-394.	7.8	220
16	A Novel Pheromone Quorum-Sensing System Controls the Development of Natural Competence in <i>Streptococcus thermophilus</i> and <i>Streptococcus salivarius</i> . <i>Journal of Bacteriology</i> , 2010, 192, 1444-1454.	2.2	205
17	crRNA and tracrRNA guide Cas9-mediated DNA interference in <i>Streptococcus thermophilus</i> . <i>RNA Biology</i> , 2013, 10, 841-851.	3.1	203
18	CRISPR: New Horizons in Phage Resistance and Strain Identification. <i>Annual Review of Food Science and Technology</i> , 2012, 3, 143-162.	9.9	162

#	ARTICLE	IF	CITATIONS
19	An anti-CRISPR from a virulent streptococcal phage inhibits <i>Streptococcus pyogenes</i> Cas9. <i>Nature Microbiology</i> , 2017, 2, 1374-1380.	13.3	153
20	Comparison of the Complete Genome Sequences of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> DSM 10140 and Bl-04. <i>Journal of Bacteriology</i> , 2009, 191, 4144-4151.	2.2	147
21	Widespread anti-CRISPR proteins in virulent bacteriophages inhibit a range of Cas9 proteins. <i>Nature Communications</i> , 2018, 9, 2919.	12.8	147
22	Analysis of the <i>Lactobacillus casei</i> supragenome and its influence in species evolution and lifestyle adaptation. <i>BMC Genomics</i> , 2012, 13, 533.	2.8	144
23	Persisting Viral Sequences Shape Microbial CRISPR-based Immunity. <i>PLoS Computational Biology</i> , 2012, 8, e1002475.	3.2	136
24	Phage mutations in response to CRISPR diversification in a bacterial population. <i>Environmental Microbiology</i> , 2013, 15, 463-470.	3.8	97
25	Phage-Induced Expression of CRISPR-Associated Proteins Is Revealed by Shotgun Proteomics in <i>Streptococcus thermophilus</i> . <i>PLoS ONE</i> , 2012, 7, e38077.	2.5	88
26	Mobile CRISPR/Cas-Mediated Bacteriophage Resistance in <i>Lactococcus lactis</i> . <i>PLoS ONE</i> , 2012, 7, e51663.	2.5	71
27	The fast milk acidifying phenotype of <i>Streptococcus thermophilus</i> can be acquired by natural transformation of the genomic island encoding the cell-envelope proteinase PrtS. <i>Microbial Cell Factories</i> , 2011, 10, S21.	4.0	58
28	Genomic impact of CRISPR immunization against bacteriophages. <i>Biochemical Society Transactions</i> , 2013, 41, 1383-1391.	3.4	54
29	Development of a Versatile Procedure Based on Natural Transformation for Marker-Free Targeted Genetic Modification in <i>Streptococcus thermophilus</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 7870-7877.	3.1	48
30	Comparative Analyses of Prophage-Like Elements Present in Bifidobacterial Genomes. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6929-6936.	3.1	45
31	Analysis of the type II-A CRISPR-Cas system of <i>Streptococcus agalactiae</i> reveals distinctive features according to genetic lineages. <i>Frontiers in Genetics</i> , 2015, 6, 214.	2.3	45
32	Dairy lactococcal and streptococcal phage-host interactions: an industrial perspective in an evolving phage landscape. <i>FEMS Microbiology Reviews</i> , 2020, 44, 909-932.	8.6	33
33	<i>Lactobacillus herbarum</i> sp. nov., a species related to <i>Lactobacillus plantarum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4682-4688.	1.7	24
34	Novel Genus of Phages Infecting <i>Streptococcus thermophilus</i> : Genomic and Morphological Characterization. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	22
35	Natural DNA Transformation Is Functional in <i>Lactococcus lactis</i> subsp. <i>cremoris</i> KW2. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	18
36	The CRISPR System Protects Microbes against Phages, Plasmids. <i>Microbe Magazine</i> , 2009, 4, 224-230.	0.4	18

#	ARTICLE	IF	CITATIONS
37	A mutation in the methionine aminopeptidase gene provides phage resistance in <i>Streptococcus thermophilus</i> . <i>Scientific Reports</i> , 2019, 9, 13816.	3.3	17
38	RNA-guided genome editing À la carte. <i>Cell Research</i> , 2013, 23, 733-734.	12.0	16
39	CRISPR: A Useful Genetic Feature to Follow Vaginal Carriage of Group B <i>Streptococcus</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1981.	3.5	16
40	Rough and smooth morphotypes isolated from <i>Lactobacillus farciminis</i> CNCM I-3699 are two closely-related variants. <i>International Journal of Food Microbiology</i> , 2015, 193, 82-90.	4.7	9
41	The CRISPR-Cas app goes viral. <i>Current Opinion in Microbiology</i> , 2017, 37, 103-109.	5.1	6
42	Lactic Acid Bacteria Defenses Against Phages. , 2011, , 459-478.		5
43	Functional Study of the Type II-A CRISPR-Cas System of <i>Streptococcus agalactiae</i> Hypervirulent Strains. <i>CRISPR Journal</i> , 2021, 4, 233-242.	2.9	4
44	Expanding natural transformation to improve beneficial lactic acid bacteria. <i>FEMS Microbiology Reviews</i> , 2022, 46, .	8.6	4
45	Protection against Foreign DNA. , 0, , 333-348.		2
46	Applications of the Versatile CRISPR-Cas Systems. , 2013, , 267-286.		1
47	Draft Genome Sequence of <i>Lactobacillus</i> sp. Strain TCF032-E4, Isolated from Fermented Radish. <i>Genome Announcements</i> , 2015, 3, .	0.8	1
48	Applications of the Versatile CRISPR-Cas Systems. , 2013, , 267-286.		1
49	Evolution and diversity of pyrimidine metabolism genes in lactic acid bacteria. <i>Sciences Des Aliments</i> , 2000, 20, 71-84.	0.2	0