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Citation Report

#	ARTICLE	IF	CITATIONS
16	Draft Genome Sequence of <i>Parabacteroides goldsteinii</i> with Putative Novel Metallo- β -Lactamases Isolated from a Blood Culture from a Human Patient. <i>Genome Announcements</i> , 2015, 3, .	0.8	4
17	Different combinations of atomic interactions predict protein-small molecule and protein-DNA/RNA affinities with similar accuracy. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 2100-2114.	1.5	17
18	Tomato I2 Immune Receptor Can Be Engineered to Confer Partial Resistance to the Oomycete <i>Phytophthora infestans</i> in Addition to the Fungus <i>Fusarium oxysporum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1316-1329.	1.4	80
19	Chimeric adaptor proteins translocate diverse type VI secretion system effectors in <i>Vibrio cholerae</i> . <i>EMBO Journal</i> , 2015, 34, 2198-2210.	3.5	132
20	Structural analysis of human RPC32-RPC62 complex. <i>Journal of Structural Biology</i> , 2015, 192, 313-319.	1.3	11
21	Putative DNA-dependent RNA polymerase in Mitochondrial Plasmid of <i>Paramecium caudatum</i> Stock GT704. <i>HAYATI Journal of Biosciences</i> , 2015, 22, 181-185.	0.1	0
22	Sperm competition risk drives plasticity in seminal fluid composition. <i>BMC Biology</i> , 2015, 13, 87.	1.7	69
23	Protein Structure and Function Prediction Using I-TASSER. <i>Current Protocols in Bioinformatics</i> , 2015, 52, 5.8.1-5.8.15.	25.8	367
24	Crystal structure of the <i>Legionella pneumophila</i> lem10 effector reveals a new member of the HD protein superfamily. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 2319-2325.	1.5	4
25	Identification of novel mutations by targeted exome sequencing and the genotype-phenotype assessment of patients with achromatopsia. <i>Journal of Translational Medicine</i> , 2015, 13, 334.	1.8	8
26	Analysis of the interaction between host factor Sam68 and viral elements during foot-and-mouth disease virus infections. <i>Virology Journal</i> , 2015, 12, 224.	1.4	25
27	Variation in the ribosome interacting loop of the Sec61 from <i>Giardia lamblia</i> . <i>Biology Direct</i> , 2015, 10, 56.	1.9	0
28	Comparative studies on manual and automatic backbone chemical shift assignments of 2H/13C/15N-labeled Ube2g1. <i>Journal of Analytical Science and Technology</i> , 2015, 6, .	1.0	1
29	Structural Features of the ATP-Binding Cassette (ABC) Transporter ABCA3. <i>International Journal of Molecular Sciences</i> , 2015, 16, 19631-19644.	1.8	17
30	Functional prediction of hypothetical proteins in human adenoviruses. <i>Bioinformatics</i> , 2015, 11, 466-473.	0.2	5
31	Genome, Proteome and Structure of a T7-Like Bacteriophage of the Kiwifruit Canker Phytopathogen <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Viruses</i> , 2015, 7, 3361-3379.	1.5	26
32	Structural Conservation and Functional Diversity of the Poxvirus Immune Evasion (PIE) Domain Superfamily. <i>Viruses</i> , 2015, 7, 4873-4893.	1.5	37
33	A combined bioinformatics and functional metagenomics approach to discovering lipolytic biocatalysts. <i>Frontiers in Microbiology</i> , 2015, 6, 1110.	1.5	19

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34	Identification and Partial Characterization of Potential FtsL and FtsQ Homologs of Chlamydia. <i>Frontiers in Microbiology</i> , 2015, 6, 1264.	1.5	20
35	Anatomy of protein disorder, flexibility and disease-related mutations. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 47.	1.6	16
36	A Novel Matrix Protein Hic31 from the Prismatic Layer of <i>Hyriopsis cumingii</i> Displays a Collagen-Like Structure. <i>PLoS ONE</i> , 2015, 10, e0135123.	1.1	12
37	Growth of <i>Chitinophaga pinensis</i> on Plant Cell Wall Glycans and Characterisation of a Glycoside Hydrolase Family 27 Î²-L-Arabinopyranosidase Implicated in Arabinogalactan Utilisation. <i>PLoS ONE</i> , 2015, 10, e0139932.	1.1	24
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41	Partial protein domains: evolutionary insights and bioinformatics challenges. <i>Genome Biology</i> , 2015, 16, 100.	3.8	10
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47	Structural analysis of haemoglobin binding by HpuA from the Neisseriaceae family. <i>Nature Communications</i> , 2015, 6, 10172.	5.8	42
48	Affinity Purification and Structural Features of the Yeast Vacuolar ATPase Vo Membrane Sector. <i>Journal of Biological Chemistry</i> , 2015, 290, 27959-27971.	1.6	50
49	Recombinant Expression of a Functional Myo-Inositol-1-Phosphate Synthase (MIPS) in <i>Mycobacterium smegmatis</i> . <i>Protein Journal</i> , 2015, 34, 380-390.	0.7	5
50	Structure of a lectin from the sea mussel <i>Crenomytilus grayanus</i> (CGL). <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1429-1436.	0.4	15
51	Cloning, expression, purification, characterization, crystallization and X-ray crystallographic analysis of recombinant Derâ€“...fâ€“...21 (rDerâ€“...fâ€“...21) from <i>Dermatophagoides farinae</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1396-1400.	0.4	3

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53	Antigen I/II encoded by integrative and conjugative elements of <i>Streptococcus agalactiae</i> and role in biofilm formation. <i>Microbial Pathogenesis</i> , 2015, 88, 1-9.	1.3	28
54	Identification of divergent type VI secretion effectors using a conserved chaperone domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9106-9111.	3.3	146
55	Structure of a herpesvirus nuclear egress complex subunit reveals an interaction groove that is essential for viral replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9010-9015.	3.3	52
56	A strategy for dissecting the architectures of native macromolecular assemblies. <i>Nature Methods</i> , 2015, 12, 1135-1138.	9.0	113
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59	Mutational analysis of telomere complex genes in Indian population with acquired aplastic anemia. <i>Leukemia Research</i> , 2015, 39, 1263-1269.	0.4	2
60	A Förster Resonance Energy Transfer (FRET)-based System Provides Insight into the Ordered Assembly of Yeast Septin Hetero-octamers. <i>Journal of Biological Chemistry</i> , 2015, 290, 28388-28401.	1.6	35
61	Mapping Type IV Secretion Signals on the Primase Encoded by the Broad-Host-Range Plasmid R1162 (RSF1010). <i>Journal of Bacteriology</i> , 2015, 197, 3245-3254.	1.0	10
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63	Long-Term Survival of <i>Borrelia burgdorferi</i> Lacking the Hibernation Promotion Factor Homolog in the Unfed Tick Vector. <i>Infection and Immunity</i> , 2015, 83, 4800-4810.	1.0	13
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66	Insight into the three-dimensional structure of maize chlorotic mottle virus revealed by Cryo-EM single particle analysis. <i>Virology</i> , 2015, 485, 171-178.	1.1	7
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68	Receptor-mediated Endocytosis Utilizes an N-terminal Phosphoinositide-binding Motif to Regulate Endosomal Clathrin Dynamics. <i>Journal of Biological Chemistry</i> , 2015, 290, 21676-21689.	1.6	16
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70	Multipart Chaperone-Effector Recognition in the Type III Secretion System of <i>Chlamydia trachomatis</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 28141-28155.	1.6	16
71	XLmap: an R package to visualize and score protein structure models based on sites of protein cross-linking. <i>Bioinformatics</i> , 2016, 32, 306-308.	1.8	17
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87	Heart of glass anchors Rasip1 at endothelial cell-cell junctions to support vascular integrity. <i>ELife</i> , 2016, 5, e11394.	2.8	43
88	Using Data Mining and Computational Approaches to Study Intermediate Filament Structure and Function. <i>Methods in Enzymology</i> , 2016, 568, 255-276.	0.4	1

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90	Structural snapshots of Xer recombination reveal activation by synaptic complex remodeling and DNA bending. <i>ELife</i> , 2016, 5, .	2.8	15
91	The Intervening Sequence of <i>Coxiella burnetii</i> : Characterization and Evolution. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 83.	1.8	6
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105	Nucleotide variation in Sabin type 3 poliovirus from an Albanian infant with agammaglobulinemia and vaccine associated poliomyelitis. <i>BMC Infectious Diseases</i> , 2016, 16, 277.	1.3	19
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108	Computational recognition and analysis of hitherto uncharacterized nucleotide cyclase-like proteins in bacteria. <i>Biology Direct</i> , 2016, 11, 27.	1.9	3
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117	Variant Exported Blood-Stage Proteins Encoded by Plasmodium Multigene Families Are Expressed in Liver Stages Where They Are Exported into the Parasitophorous Vacuole. <i>PLoS Pathogens</i> , 2016, 12, e1005917.	2.1	56
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120	Insights into the Cyanobacterial Deg/HtrA Proteases. <i>Frontiers in Plant Science</i> , 2016, 7, 694.	1.7	12
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124	Rice Ribosomal Protein Large Subunit Genes and Their Spatio-temporal and Stress Regulation. <i>Frontiers in Plant Science</i> , 2016, 7, 1284.	1.7	79

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142	Bacteriophage LM33_P1, a fast-acting weapon against the pandemic ST131-O25b:H4 <i>Escherichia coli</i> clonal complex. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 3072-3080.	1.3	53

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144	Dual nuclease activity of a Cas2 protein in <i>CRISPR</i> â€Cas subtype Iâ€B of <i>Leptospira interrogans</i> . <i>FEBS Letters</i> , 2016, 590, 1002-1016.	1.3	27
145	Compound heterozygous mutations in <i>NEK8</i> in siblings with end-stage renal disease with hepatic and cardiac anomalies. <i>American Journal of Medical Genetics, Part A</i> , 2016, 170, 750-753.	0.7	22
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1827	Substrate recognition by a carbohydrate-binding module in the prototypical ABC transporter for lipopolysaccharide O-antigen from <i>Escherichia coli</i> O9a. <i>Journal of Biological Chemistry</i> , 2019, 294, 14978-14990.	1.6	9
1828	Type II Ice-Binding Proteins Isolated from an Arctic Microalga Are Similar to Adhesin-Like Proteins and Increase Freezing Tolerance in Transgenic Plants. <i>Plant and Cell Physiology</i> , 2019, 60, 2744-2757.	1.5	10
1829	Discovery of a novel chalcone derivative inhibiting CFTR chloride channel via AMPK activation and its anti-diarrheal application. <i>Journal of Pharmacological Sciences</i> , 2019, 140, 273-283.	1.1	17
1830	DABs are inorganic carbon pumps found throughout prokaryotic phyla. <i>Nature Microbiology</i> , 2019, 4, 2204-2215.	5.9	44
1831	Deciphering the Molecular Recognition Mechanism of Multidrug Resistance <i>Staphylococcus aureus</i> NorA Efflux Pump Using a Supervised Molecular Dynamics Approach. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4041.	1.8	18
1832	The Popeye domain containing gene family encoding a family of cAMP-effector proteins with important functions in striated muscle and beyond. <i>Journal of Muscle Research and Cell Motility</i> , 2019, 40, 169-183.	0.9	19
1833	Evolutionary divergent PEX3 is essential for glycosome biogenesis and survival of trypanosomatid parasites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 118520.	1.9	14
1834	A secreted WY-domain-containing protein present in European isolates of the oomycete <i>Plasmopara viticola</i> induces cell death in grapevine and tobacco species. <i>PLoS ONE</i> , 2019, 14, e0220184.	1.1	25
1835	Identification, cloning and characterization of SpEX exotoxin produced by <i>Staphylococcus pseudintermedius</i> . <i>PLoS ONE</i> , 2019, 14, e0220301.	1.1	6
1836	Biochemical Reduction of the Topology of the Diverse WDR76 Protein Interactome. <i>Journal of Proteome Research</i> , 2019, 18, 3479-3491.	1.8	14
1837	Novel differential linear Bâ€cell epitopes to identify Zika and dengue virus infections in patients. <i>Clinical and Translational Immunology</i> , 2019, 8, e1066.	1.7	32

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1838	Aspartic protease from <i>Aspergillus niger</i> : Molecular characterization and interaction with pepstatin A. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 199-212.	3.6	24
1839	Diversity, specificity and molecular evolution of the lytic arsenal of <i>Pseudomonas</i> phages: in silico perspective. <i>Environmental Microbiology</i> , 2019, 21, 4136-4150.	1.8	10
1840	The biosynthetic origin of psychoactive kavalactones in kava. <i>Nature Plants</i> , 2019, 5, 867-878.	4.7	58
1841	Gab3 is required for IL-2 and IL-15-induced NK cell expansion and limits trophoblast invasion during pregnancy. <i>Science Immunology</i> , 2019, 4, .	5.6	38
1842	Applications and Future Directions for Population Transcriptomics in Marine Invertebrates. <i>Current Molecular Biology Reports</i> , 2019, 5, 116-127.	0.8	14
1843	Polymorphisms in Regulator of Cov Contribute to the Molecular Pathogenesis of Serotype M28 Group A <i>Streptococcus</i> . <i>American Journal of Pathology</i> , 2019, 189, 2002-2018.	1.9	7
1844	Site-directed mutagenesis and stability of the carboxylic acid reductase MAB4714 from <i>Mycobacterium abscessus</i> . <i>Journal of Biotechnology</i> , 2019, 303, 72-79.	1.9	15
1845	Discovery and Contribution of Nontypeable <i>Haemophilus influenzae</i> NTH1441 to Human Respiratory Epithelial Cell Invasion. <i>Infection and Immunity</i> , 2019, 87, .	1.0	4
1846	A family AA5_2 carbohydrate oxidase from <i>Penicillium rubens</i> displays functional overlap across the AA5 family. <i>PLoS ONE</i> , 2019, 14, e0216546.	1.1	10
1847	Genome-Wide Identification of Mango (<i>Mangifera indica</i> L.) Polygalacturonases: Expression Analysis of Family Members and Total Enzyme Activity During Fruit Ripening. <i>Frontiers in Plant Science</i> , 2019, 10, 969.	1.7	34
1848	C7orf59/LAMTOR4 phosphorylation and structural flexibility modulate Ragulator assembly. <i>FEBS Open Bio</i> , 2019, 9, 1589-1602.	1.0	6
1849	Tumor Suppressor p53-Mediated Structural Reorganization of the Transcriptional Coactivator p300. <i>Biochemistry</i> , 2019, 58, 3434-3443.	1.2	16
1850	Human Corneal Expression of SLC4A11, a Gene Mutated in Endothelial Corneal Dystrophies. <i>Scientific Reports</i> , 2019, 9, 9681.	1.6	24
1851	Chondromodulin-1 in health, osteoarthritis, cancer, and heart disease. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4493-4502.	2.4	20
1852	Discovery of All Three Types in Cartilaginous Fishes Enables Phylogenetic Resolution of the Origins and Evolution of Interferons. <i>Frontiers in Immunology</i> , 2019, 10, 1558.	2.2	52
1853	Predicting Sequence Features, Function, and Structure of Proteins Using MESSA. <i>Current Protocols in Bioinformatics</i> , 2019, 67, e84.	25.8	0
1855	Identification of the amino acids in the Major Histocompatibility Complex class II region of Scottish Blackface sheep that are associated with resistance to nematode infection. <i>International Journal for Parasitology</i> , 2019, 49, 797-804.	1.3	4
1856	Tomato bHLH132 Transcription Factor Controls Growth and Defense and Is Activated by <i>Xanthomonas euvesicatoria</i> Effector XopD During Pathogenesis. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1614-1622.	1.4	21

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1858	LOMETS2: improved meta-threading server for fold-recognition and structure-based function annotation for distant-homology proteins. <i>Nucleic Acids Research</i> , 2019, 47, W429-W436.	6.5	118
1859	Conformational communication mediates the reset step in t6A biosynthesis. <i>Nucleic Acids Research</i> , 2019, 47, 6551-6567.	6.5	21
1860	A <i>Vibrio cholerae</i> BolA-Like Protein Is Required for Proper Cell Shape and Cell Envelope Integrity. <i>MBio</i> , 2019, 10, .	1.8	24
1861	PRRDB 2.0: a comprehensive database of pattern-recognition receptors and their ligands. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	27
1862	Identification of a crucial amino acid implicated in the hydroxylation/desaturation ratio of CpFAH12 bifunctional hydroxylase. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2451-2462.	1.7	10
1863	Environmental conditions shape the nature of a minimal bacterial genome. <i>Nature Communications</i> , 2019, 10, 3100.	5.8	43
1864	Small-protein Enrichment Assay Enables the Rapid, Unbiased Analysis of Over 100 Low Abundance Factors from Human Plasma. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1899-1915.	2.5	37
1865	Interactome Analysis and Docking Sites of MutS Homologs Reveal New Physiological Roles in <i>Arabidopsis thaliana</i> . <i>Molecules</i> , 2019, 24, 2493.	1.7	4
1866	Structural basis of microcystinase activity for biodegrading microcystin-LR. <i>Chemosphere</i> , 2019, 236, 124281.	4.2	15
1867	The CydDC family of transporters. <i>Research in Microbiology</i> , 2019, 170, 407-416.	1.0	9
1868	Overview of a High-Throughput Pipeline for Streamlining the Production of Recombinant Proteins. <i>Methods in Molecular Biology</i> , 2019, 2025, 33-49.	0.4	9
1869	Comparative structure-function features of Hsp70s of <i>Plasmodium falciparum</i> and human origins. <i>Biophysical Reviews</i> , 2019, 11, 591-602.	1.5	25
1870	Resurrection of efficient Precambrian endoglucanases for lignocellulosic biomass hydrolysis. <i>Communications Chemistry</i> , 2019, 2, .	2.0	21
1871	The haustorial transcriptome of the cucurbit pathogen <i>Podosphaera xanthii</i> reveals new insights into the biotrophy and pathogenesis of powdery mildew fungi. <i>BMC Genomics</i> , 2019, 20, 543.	1.2	18
1872	Biochemical regulation and structural analysis of copper-transporting ATPase in a human hepatoma cell line for Wilson disease. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 18826-18844.	1.2	1
1873	A Bacterial Phage Tail-like Structure Kills Eukaryotic Cells by Injecting a Nuclease Effector. <i>Cell Reports</i> , 2019, 28, 295-301.e4.	2.9	39
1874	Characterization of a novel amylosucrase gene from the metagenome of a thermal aquatic habitat, and its use in turanose production from sucrose biomass. <i>Enzyme and Microbial Technology</i> , 2019, 131, 109372.	1.6	15

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1876	Genomewide identification and analysis of heat shock proteins 70/110 to reveal their potential functions in Chinese soft-shelled turtle <i>Pelodiscus sinensis</i> . <i>Ecology and Evolution</i> , 2019, 9, 6968-6985.	0.8	5
1877	Membrane-Deformation Ability of ANKHD1 Is Involved in the Early Endosome Enlargement. <i>IScience</i> , 2019, 17, 101-118.	1.9	15
1878	Repeated evolution of cytochrome P450-mediated spiroketal steroid biosynthesis in plants. <i>Nature Communications</i> , 2019, 10, 3206.	5.8	110
1879	Substrate specificity, regiospecificity, and processivity in glycoside hydrolase family 74. <i>Journal of Biological Chemistry</i> , 2019, 294, 13233-13247.	1.6	25
1880	A GntR-Like Transcription Factor HypR Regulates Expression of Genes Associated With L-Hydroxyproline Utilization in <i>Streptomyces coelicolor</i> A3(2). <i>Frontiers in Microbiology</i> , 2019, 10, 1451.	1.5	7
1881	Cryptic inoviruses revealed as pervasive in bacteria and archaea across Earth's biomes. <i>Nature Microbiology</i> , 2019, 4, 1895-1906.	5.9	206
1882	Insights into the mechanism(s) of digestion of crystalline cellulose by plant class C GH9 endoglucanases. <i>Journal of Molecular Modeling</i> , 2019, 25, 240.	0.8	5
1883	Insights about multi-targeting and synergistic neuromodulators in Ayurvedic herbs against epilepsy: integrated computational studies on drug-target and protein-protein interaction networks. <i>Scientific Reports</i> , 2019, 9, 10565.	1.6	31
1884	Neutralizing antibodies against Mayaro virus require Fc effector functions for protective activity. <i>Journal of Experimental Medicine</i> , 2019, 216, 2282-2301.	4.2	51
1885	The human 18S rRNA m6A methyltransferase METTL5 is stabilized by TRMT112. <i>Nucleic Acids Research</i> , 2019, 47, 7719-7733.	6.5	312
1886	Structural basis for the multitasking nature of the potato virus Y coat protein. <i>Science Advances</i> , 2019, 5, eaaw3808.	4.7	61
1887	N-terminal β^2 -strand underpins biochemical specialization of an ATG8 isoform. <i>PLoS Biology</i> , 2019, 17, e3000373.	2.6	47
1888	Identification and characterization of the <i>Onchocerca volvulus</i> Excretory Secretory Product Ov28CRP, a putative GM2 activator protein. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007591.	1.3	10
1889	Analysis of seven putative Na ⁺ /H ⁺ antiporters of <i>Arthrospira platensis</i> NIES-39 using transcription profiling and in silico studies: an indication towards alkaline pH acclimation. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 1175-1183.	1.4	1
1890	CTLGA9 Interacts with ALP1 and APN Receptors To Modulate Cry11Aa Toxicity in <i>Aedes aegypti</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8896-8904.	2.4	14
1891	SopF, a phosphoinositide binding effector, promotes the stability of the nascent <i>Salmonella</i> -containing vacuole. <i>PLoS Pathogens</i> , 2019, 15, e1007959.	2.1	52
1892	In silico and in vitro evaluation of tetrahydropyridine compounds as efflux inhibitors in <i>Mycobacterium abscessus</i> . <i>Tuberculosis</i> , 2019, 118, 101853.	0.8	15

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1894	<i>Craterostigma plantagineum</i> cell wall composition is remodelled during desiccation and the glycine-rich protein CpGRP1 interacts with pectins through clustered arginines. <i>Plant Journal</i> , 2019, 100, 661-676.	2.8	22
1895	The carbonic anhydrase of <i>Clostridium autoethanogenum</i> represents a new subclass of β^2 -carbonic anhydrases. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7275-7286.	1.7	11
1896	Characterization of a new il-4/13 homologue in grass carp (<i>Ctenopharyngodon idella</i>) and its cooperation with M-CSF to promote macrophage proliferation. <i>Fish and Shellfish Immunology</i> , 2019, 93, 508-516.	1.6	4
1897	Human placental β^2 -hydroxysteroid dehydrogenase/steroid $\Delta^5,4$ -isomerase 1: Identity, regulation and environmental inhibitors. <i>Toxicology</i> , 2019, 425, 152253.	2.0	15
1898	Peptidoglycan O-Acetylation as a Virulence Factor: Its Effect on Lysozyme in the Innate Immune System. <i>Antibiotics</i> , 2019, 8, 94.	1.5	34
1899	Two Novel Negative-Sense RNA Viruses Infecting Grapevine Are Members of a Newly Proposed Genus within the Family Phenuiviridae. <i>Viruses</i> , 2019, 11, 685.	1.5	27
1900	Interpretation of medium resolution cryoEM maps of multi-protein complexes. <i>Current Opinion in Structural Biology</i> , 2019, 58, 166-174.	2.6	18
1901	An engineered mutant of a host phospholipid synthesis gene inhibits viral replication without compromising host fitness. <i>Journal of Biological Chemistry</i> , 2019, 294, 13973-13982.	1.6	6
1902	Identification of most damaging nsSNPs in human <i>CCR6</i> gene: In silico analyses. <i>International Journal of Immunogenetics</i> , 2019, 46, 459-471.	0.8	21
1903	Identification, characterization and benefits of an exclusion system in an integrative and conjugative element of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2019, 112, 1066-1082.	1.2	24
1904	Timing Is Everything: Impact of Naturally Occurring <i>Staphylococcus aureus</i> AgrC Cytoplasmic Domain Adaptive Mutations on Autoinduction. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	19
1905	Genome-Wide Identification and Expression Analysis of HD-ZIP I Gene Subfamily in <i>Nicotiana tabacum</i> . <i>Genes</i> , 2019, 10, 575.	1.0	16
1906	Lowe syndrome-linked endocytic adaptors direct membrane cycling kinetics with OCRL in <i>Dictyostelium discoideum</i> . <i>Molecular Biology of the Cell</i> , 2019, 30, 2268-2282.	0.9	2
1907	Rhoptry neck protein 11 has crucial roles during malaria parasite sporozoite invasion of salivary glands and hepatocytes. <i>International Journal for Parasitology</i> , 2019, 49, 725-735.	1.3	14
1908	Duplication and soldier-specific expression of geranylgeranyl diphosphate synthase genes in a nasute termite <i>Nasutitermes takasagoensis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 111, 103177.	1.2	16
1909	High-resolution mapping of rachis nodes per rachis, a critical determinant of grain yield components in wheat. <i>Theoretical and Applied Genetics</i> , 2019, 132, 2707-2719.	1.8	40
1910	Symmetric activity of DNA polymerases at and recruitment of exonuclease ExoR and of PolA to the <i>Bacillus subtilis</i> replication forks. <i>Nucleic Acids Research</i> , 2019, 47, 8521-8536.	6.5	23

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1912	MFS transporter from <i>Botrytis cinerea</i> provides tolerance to glucosinolate-breakdown products and is required for pathogenicity. <i>Nature Communications</i> , 2019, 10, 2886.	5.8	76
1913	Computer-aided re-engineering of nonribosomal peptide and polyketide biosynthetic assembly lines. <i>Natural Product Reports</i> , 2019, 36, 1249-1261.	5.2	35
1914	Biochemical characteristics of maltose phosphorylase MalE from <i>Bacillus</i> sp. AHU2001 and chemoenzymatic synthesis of oligosaccharides by the enzyme. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 2097-2109.	0.6	6
1915	Three genetically distinct ferlavirus have varying effects on infected corn snakes (<i>Pantherophis</i>). <i>Journal of Herpetology</i> , 2019, 53, 107-111.	1.1	7
1916	Identification and structural analysis of the tripartite β -pore forming toxin of <i>Aeromonas hydrophila</i> . <i>Nature Communications</i> , 2019, 10, 2900.	5.8	20
1917	Ancient Hybridization and Adaptive Introgression of an Invadysin Gene in Schistosome Parasites. <i>Molecular Biology and Evolution</i> , 2019, 36, 2127-2142.	3.5	56
1918	Missense Mutations in the Human Nanophthalmos Gene <i>TMEM98</i> Cause Retinal Defects in the Mouse. , 2019, 60, 2875.		16
1919	Phosphatidic acid homeostasis regulated by a type-2 phosphatidic acid phosphatase represents a novel druggable target in malaria intervention. <i>Cell Death Discovery</i> , 2019, 5, 107.	2.0	12
1920	Acquisition of bedaquiline resistance by extensively drug-resistant <i>Mycobacterium tuberculosis</i> strain of Central Asian Outbreak clade. <i>Clinical Microbiology and Infection</i> , 2019, 25, 1295-1297.	2.8	14
1921	PhyreRisk: A Dynamic Web Application to Bridge Genomics, Proteomics and 3D Structural Data to Guide Interpretation of Human Genetic Variants. <i>Journal of Molecular Biology</i> , 2019, 431, 2460-2466.	2.0	21
1922	Proximity labeling reveals novel interactomes in live <i>Drosophila</i> tissue. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	32
1923	Introduction of a C-terminal hexa-lysine tag increases thermal stability of the LacDiNac binding adhesin (LabA) exodomain from <i>Helicobacter pylori</i> . <i>Protein Expression and Purification</i> , 2019, 163, 105446.	0.6	7
1924	Expression, purification and metal utilization of recombinant SodA from <i>Borrelia burgdorferi</i> . <i>Protein Expression and Purification</i> , 2019, 163, 105447.	0.6	2
1925	<i>Candidatus</i> <i>Phytoplasma mali</i> ™ Genome Encodes a Protein that Functions as an E3 Ubiquitin Ligase and Could Inhibit Plant Basal Defense. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1487-1495.	1.4	12
1926	Evolutionary Analysis of Unicellular Species in Chlamydomonadales Through Chloroplast Genome Comparison With the Colonial Volvocine Algae. <i>Frontiers in Microbiology</i> , 2019, 10, 1351.	1.5	13
1927	A theoretical and experimental approach to evaluate zein-calcium interaction in nixtamalization process. <i>Food Chemistry</i> , 2019, 297, 124995.	4.2	6
1928	Diversity and evolution of chitin synthases in oomycetes (Straminipila: Oomycota). <i>Molecular Phylogenetics and Evolution</i> , 2019, 139, 106558.	1.2	14

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1930	The expression pattern of the Pho1a genes encoding plastidic starch phosphorylase correlates with the degradation of starch during fruit ripening in green-fruited and red-fruited tomato species. <i>Functional Plant Biology</i> , 2019, 46, 1146.	1.1	8
1931	Biochemical and physiological flexibility accompanies reduced cellulose biosynthesis in <i>Brachypodium cesa1S830N</i> . <i>AoB PLANTS</i> , 2019, 11, plz041.	1.2	2
1932	Specific Xylan Activity Revealed for AA9 Lytic Polysaccharide Monooxygenases of the Thermophilic Fungus <i>Malbranchea cinnamomea</i> by Functional Characterization. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	54
1933	<i>POPDC3</i> Gene Variants Associate with a New Form of Limb Girdle Muscular Dystrophy. <i>Annals of Neurology</i> , 2019, 86, 832-843.	2.8	27
1934	A piperidinol-containing molecule is active against <i>Mycobacterium tuberculosis</i> by inhibiting the mycolic acid flippase activity of MmpL3. <i>Journal of Biological Chemistry</i> , 2019, 294, 17512-17523.	1.6	32
1935	Characterization of a novel glycosylated glutathione transferase of <i>Onchocerca ochengi</i> , closest relative of the human river blindness parasite. <i>Parasitology</i> , 2019, 146, 1773-1784.	0.7	2
1936	In Silico Insights towards the Identification of NLRP3 Druggable Hot Spots. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4974.	1.8	18
1937	Molecular dynamics and docking reveal the potency of novel GTP derivatives against RNA dependent RNA polymerase of genotype 4a HCV. <i>Life Sciences</i> , 2019, 238, 116958.	2.0	42
1938	Architecture of African swine fever virus and implications for viral assembly. <i>Science</i> , 2019, 366, 640-644.	6.0	252
1939	Identification and characterisation of capidermicin, a novel bacteriocin produced by <i>Staphylococcus capitis</i> . <i>PLoS ONE</i> , 2019, 14, e0223541.	1.1	24
1940	Essentials of Bioinformatics, Volume II. , 2019, , .		1
1941	Detecting distant-homology protein structures by aligning deep neural-network based contact maps. <i>PLoS Computational Biology</i> , 2019, 15, e1007411.	1.5	45
1942	Complete genome sequence of the novel phage vB_BthS-HD29phi infecting <i>Bacillus thuringiensis</i> . <i>Archives of Virology</i> , 2019, 164, 3089-3093.	0.9	2
1943	Zinc binding proteome of a phytopathogen <i>Xanthomonas translucens</i> pv. <i>undulosa</i> . <i>Royal Society Open Science</i> , 2019, 6, 190369.	1.1	10
1944	Bioinformatic Exploration of Metal-Binding Proteome of Zoonotic Pathogen <i>Orientia tsutsugamushi</i> . <i>Frontiers in Genetics</i> , 2019, 10, 797.	1.1	12
1945	The cell cycle-regulated DNA adenine methyltransferase CcrM opens a bubble at its DNA recognition site. <i>Nature Communications</i> , 2019, 10, 4600.	5.8	26
1946	A conserved Bcd1 interaction essential for box C/D snoRNP biogenesis. <i>Journal of Biological Chemistry</i> , 2019, 294, 18360-18371.	1.6	12

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1947	The variability of SMCHD1 gene in FSHD patients: evidence of new mutations. <i>Human Molecular Genetics</i> , 2019, 28, 3912-3920.	1.4	9
1948	Crystal structure of the transcriptional repressor DdrO: insight into the metalloprotease/repressor-controlled radiation response in <i>Deinococcus</i> . <i>Nucleic Acids Research</i> , 2019, 47, 11403-11417.	6.5	18
1949	Folding and stability of recombinant azoreductase enzyme from <i>Chromobacterium violaceum</i> . <i>Enzyme and Microbial Technology</i> , 2019, 131, 109433.	1.6	2
1950	Cas9 Allosteric Inhibition by the Anti-CRISPR Protein AcrIIA6. <i>Molecular Cell</i> , 2019, 76, 922-937.e7.	4.5	44
1951	Computational protein design of bacteriocins based on structural scaffold of aureocin A53. <i>International Journal of Bioinformatics Research and Applications</i> , 2019, 15, 129.	0.1	7
1952	The Mediator subunit OsMED15a is a transcriptional co-regulator of seed size/weightâ€“modulating genes in rice. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 194432.	0.9	16
1953	A marine viral halogenase that iodinated diverse substrates. <i>Nature Chemistry</i> , 2019, 11, 1091-1097.	6.6	65
1954	Structure, Function, and Evolution of the <i>Pseudomonas aeruginosa</i> Lysine Decarboxylase LdcA. <i>Structure</i> , 2019, 27, 1842-1854.e4.	1.6	9
1955	Spectroscopic and Electrochemical Characterization of the Mycofactocin Biosynthetic Protein, MftC, Provides Insight into Its Redox Flipping Mechanism. <i>Biochemistry</i> , 2019, 58, 940-950.	1.2	25
1956	Cyclic GMPâ€“AMP signalling protects bacteria against viral infection. <i>Nature</i> , 2019, 574, 691-695.	13.7	370
1957	The homozygous variant c.245G > A/p.G82D in PNPLA2 is associated with arrhythmogenic cardiomyopathy phenotypic manifestations. <i>Clinical Genetics</i> , 2019, 96, 532-540.	1.0	5
1958	A novel <i>LAMP2</i> p.G93R mutation associated with mild Danon disease presenting with familial hypertrophic cardiomyopathy. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e00941.	0.6	9
1959	Conserved HORMA domain-containing protein Hop1 stabilizes interaction between proteins of meiotic DNA break hotspots and chromosome axis. <i>Nucleic Acids Research</i> , 2019, 47, 10166-10180.	6.5	30
1960	SilkDB 3.0: visualizing and exploring multiple levels of data for silkworm. <i>Nucleic Acids Research</i> , 2020, 48, D749-D755.	6.5	59
1961	A Single SNP Turns a Social Honey Bee (<i>Apis mellifera</i>) Worker into a Selfish Parasite. <i>Molecular Biology and Evolution</i> , 2019, 36, 516-526.	3.5	22
1962	New perspectives on the plant PARP family: Arabidopsis PARP3 is inactive, and PARP1 exhibits predominant poly (ADP-ribose) polymerase activity in response to DNA damage. <i>BMC Plant Biology</i> , 2019, 19, 364.	1.6	24
1963	Biochemical and structural analysis of N-terminal acetyltransferases. <i>Methods in Enzymology</i> , 2019, 626, 271-299.	0.4	5
1964	Stereodivergent, Chemoenzymatic Synthesis of Azaphilone Natural Products. <i>Journal of the American Chemical Society</i> , 2019, 141, 18551-18559.	6.6	37

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1965	Designing a less immunogenic nattokinase from <i>Bacillus subtilis</i> subsp. natto: a computational mutagenesis. <i>Journal of Molecular Modeling</i> , 2019, 25, 337.	0.8	5
1966	Cryo-EM structure of the complete <i>E. coli</i> DNA gyrase nucleoprotein complex. <i>Nature Communications</i> , 2019, 10, 4935.	5.8	68
1967	The genetic landscape of the human solute carrier (SLC) transporter superfamily. <i>Human Genetics</i> , 2019, 138, 1359-1377.	1.8	79
1968	The subcellular localization of bHLH transcription factor TCF4 is mediated by multiple nuclear localization and nuclear export signals. <i>Scientific Reports</i> , 2019, 9, 15629.	1.6	5
1969	Differences in protein structural regions that impact functional specificity in GT2 family Î ² -glucan synthases. <i>PLoS ONE</i> , 2019, 14, e0224442.	1.1	17
1970	Switching the Ligand Specificity of the Biosensor XylS from <i>meta</i> to <i>para</i> -Toluic Acid through Directed Evolution Exploiting a Dual Selection System. <i>ACS Synthetic Biology</i> , 2019, 8, 2679-2689.	1.9	12
1971	Differential Inhibition of Human and Trypanosome Ubiquitin E1S by TAK-243 Offers Possibilities for Parasite Selective Inhibitors. <i>Scientific Reports</i> , 2019, 9, 16195.	1.6	9
1972	RareLSD: a manually curated database of lysosomal enzymes associated with rare diseases. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	4
1973	AidB, a Novel Thermostable N -Acylhomoserine Lactonase from the Bacterium <i>Bosea</i> sp. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	28
1974	Genome-Wide Variation in Potyviruses. <i>Frontiers in Plant Science</i> , 2019, 10, 1439.	1.7	80
1975	[18F] Clofarabine for PET Imaging of Hepatocellular Carcinoma. <i>Cancers</i> , 2019, 11, 1748.	1.7	4
1976	Research Article & In silico characterization and phylogenetic analysis of a mannose-specific lectin in <i>Allium</i> species. <i>Genetics and Molecular Research</i> , 2019, 18, .	0.3	4
1977	Transcriptome-Based Identification and Molecular Evolution of the Cytochrome P450 Genes and Expression Profiling under Dimethoate Treatment in Amur Stickleback (<i>Pungitius sinensis</i>). <i>Animals</i> , 2019, 9, 873.	1.0	6
1978	Computational Nanoscopy of Tight Junctions at the Bloodâ€“Brain Barrier Interface. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5583.	1.8	18
1979	Anti-CRISPR AcrIIA5 Potently Inhibits All Cas9 Homologs Used for Genome Editing. <i>Cell Reports</i> , 2019, 29, 1739-1746.e5.	2.9	35
1980	The Immunomodulatory Effect of IrSPI, a Tick Salivary Gland Serine Protease Inhibitor Involved in <i>Ixodes ricinus</i> Tick Feeding. <i>Vaccines</i> , 2019, 7, 148.	2.1	16
1981	HIV-1 Vif Triggers Cell Cycle Arrest by Degrading Cellular PPP2R5 Phospho-regulators. <i>Cell Reports</i> , 2019, 29, 1057-1065.e4.	2.9	28
1982	Clinical, genetic, and molecular characterization of hyperphosphatasia with mental retardation: a case report and literature review. <i>Diagnostic Pathology</i> , 2019, 14, 123.	0.9	7

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1984	Characterization of a new sg-5 variant with reduced biosynthesis of group A saponins in soybean (<i>Glycine max</i> (L.) Merr.). <i>Molecular Breeding</i> , 2019, 39, 1.	1.0	5
1985	Computationally Guided Discovery and Experimental Validation of Indole-3-acetic Acid Synthesis Pathways. <i>ACS Chemical Biology</i> , 2019, 14, 2867-2875.	1.6	8
1986	Antitumor activity of an engineered decoy receptor targeting CLCF1- α -CNTFR signaling in lung adenocarcinoma. <i>Nature Medicine</i> , 2019, 25, 1783-1795.	15.2	43
1987	Structural characterization of the RH1-LZI tandem of JIP3/4 highlights RH1 domains as a cytoskeletal motor-binding motif. <i>Scientific Reports</i> , 2019, 9, 16036.	1.6	22
1988	Identification of putative adhesins and carbohydrate ligands of <i>Lactobacillus paracasei</i> using a combinatorial in silico and glycomics microarray profiling approach. <i>Integrative Biology (United Tj ETQq1 1 0.7843d.4 rgt /@verlock 10</i>	1.4	10
1989	Proteomic characterisation of the <i>Chlamydia abortus</i> outer membrane complex (COMC) using combined rapid monolithic column liquid chromatography and fast MS/MS scanning. <i>PLoS ONE</i> , 2019, 14, e0224070.	1.1	5
1990	Biosynthesis of a Tricyclo[6.2.2.0 ^{2,7}]dodecane System by a Berberine Bridge Enzyme-Like Aldolase. <i>Chemistry - A European Journal</i> , 2019, 25, 15062-15066.	1.7	7
1991	New Insight into the Mechanism of Anaerobic Heme Degradation. <i>Biochemistry</i> , 2019, 58, 4641-4654.	1.2	17
1992	Structural transitions during the scaffolding-driven assembly of a viral capsid. <i>Nature Communications</i> , 2019, 10, 4840.	5.8	21
1993	An onboard checking mechanism ensures effector delivery of the type VI secretion system in <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23292-23298.	3.3	45
1994	RNA-Seq of <i>in planta</i> -expressed <i>Magnaporthe oryzae</i> genes identifies <i>MoSVP</i> as a highly expressed gene required for pathogenicity at the initial stage of infection. <i>Molecular Plant Pathology</i> , 2019, 20, 1682-1695.	2.0	20
1995	Complex Oxidation of Apocytochromes <i>c</i> during Bacterial Cytochrome <i>c</i> Maturation. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	16
1996	Mouse Gut Microbiome-Encoded β -Glucuronidases Identified Using Metagenome Analysis Guided by Protein Structure. <i>MSystems</i> , 2019, 4, .	1.7	34
1997	Decoding of novel missense TSC2 gene variants using in-silico methods. <i>BMC Medical Genetics</i> , 2019, 20, 164.	2.1	4
1998	Disruption of PHF21A causes syndromic intellectual disability with craniofacial anomalies, epilepsy, hypotonia, and neurobehavioral problems including autism. <i>Molecular Autism</i> , 2019, 10, 35.	2.6	30
1999	Modular Diversity of the BLUF Proteins and Their Potential for the Development of Diverse Optogenetic Tools. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3924.	1.3	4
2000	In Vivo Functional Study of Disease-associated Rare Human Variants Using β -Drosophila. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	34

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2002	Disorder Mediated Oligomerization of <i>DISC1</i> Proteins Revealed by Coarse-Grained Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9567-9575.	1.2	5
2003	The global distribution and evolutionary history of the pT26 α 2 archaeal plasmid family. <i>Environmental Microbiology</i> , 2019, 21, 4685-4705.	1.8	4
2004	A Conserved Streptococcal Virulence Regulator Controls the Expression of a Distinct Class of M-Like Proteins. <i>MBio</i> , 2019, 10, .	1.8	8
2005	NGS Analysis for Molecular Diagnosis of Retinitis Pigmentosa (RP): Detection of a Novel Variant in PRPH2 Gene. <i>Genes</i> , 2019, 10, 792.	1.0	10
2006	Photostimulus-Responsive Large-Area Two-Dimensional Covalent Organic Framework Films. <i>Angewandte Chemie</i> , 2019, 131, 16247-16250.	1.6	18
2007	Lipopeptide-Based Nanosome-Mediated Delivery of Hyperaccurate CRISPR/Cas9 Ribonucleoprotein for Gene Editing. <i>Small</i> , 2019, 15, e1903172.	5.2	10
2008	Structural and Biochemical Characterization of the YaxAB Pore-forming Toxin from <i>Yersinia Enterocolitica</i> . <i>Springer Theses</i> , 2019, , .	0.0	0
2009	Differences in the sucrose synthase gene <i>SUS1</i> expression pattern between <i>Solanum lycopersicum</i> and wild tomato species. <i>Theoretical and Experimental Plant Physiology</i> , 2019, 31, 455-462.	1.1	4
2010	Identification of an Integrase That Responsible for Precise Integration and Excision of <i>Riemerella anatipestifer</i> Genomic Island. <i>Frontiers in Microbiology</i> , 2019, 10, 2099.	1.5	2
2011	Differential interaction strategies of hepatitis c virus genotypes during entry - An in silico investigation of envelope glycoprotein E2 - CD81 interaction. <i>Infection, Genetics and Evolution</i> , 2019, 69, 48-60.	1.0	1
2013	The N-terminal D1 domain of <i>Treponema pallidum</i> flagellin binding to TLR5 is required but not sufficient in activation of TLR5. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7490-7504.	1.6	12
2014	The flagellotropic bacteriophage YSD1 targets <i>Salmonella</i> Typhi with a Chi-like protein tail fibre. <i>Molecular Microbiology</i> , 2019, 112, 1831-1846.	1.2	24
2015	Structure-Function Analysis of the Phosphoesterase Component of the Nucleic Acid End-Healing Enzyme <i>Runella slithyformis</i> HD-Pnk. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	0
2016	DNA-Packing Portal and Capsid-Associated Tegument Complexes in the Tumor Herpesvirus KSHV. <i>Cell</i> , 2019, 178, 1329-1343.e12.	13.5	45
2017	Bioinformatics analysis of diversity in bacterial glycan chain-termination chemistry and organization of carbohydrate-binding modules linked to ABC transporters. <i>Glycobiology</i> , 2019, 29, 822-838.	1.3	5
2018	Silicon Uptake and Localisation in Date Palm (<i>Phoenix dactylifera</i>) - A Unique Association With Sclerenchyma. <i>Frontiers in Plant Science</i> , 2019, 10, 988.	1.7	37
2019	Structure and mechanism of mitochondrial proton-translocating transhydrogenase. <i>Nature</i> , 2019, 573, 291-295.	13.7	55

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2025	Discovery of carboxylic acid reductase (CAR) from <i>Thermothelomyces thermophila</i> and its evaluation for vanillin synthesis. <i>Journal of Biotechnology</i> , 2019, 304, 44-51.	1.9	23
2026	Molecular docking and dynamic approach to virtual screen inhibitors against Esbp of <i>Candidatus Liberibacter asiaticus</i> . <i>Journal of Molecular Graphics and Modelling</i> , 2019, 92, 329-340.	1.3	28
2027	Clinical implications of convergent procoagulant toxicity and differential antivenom efficacy in Australian elapid snake venoms. <i>Toxicology Letters</i> , 2019, 316, 171-182.	0.4	20
2028	The Application of Convolutional Neural Network in Security Code Recognition. <i>Journal of Physics: Conference Series</i> , 2019, 1187, 042064.	0.3	1
2029	The autoregulator Aca2 mediates anti-CRISPR repression. <i>Nucleic Acids Research</i> , 2019, 47, 9658-9665.	6.5	49
2030	LSSR1 facilitates seed setting rate by promoting fertilization in rice. <i>Rice</i> , 2019, 12, 31.	1.7	21
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2032	Long-chain flavodoxin FldX1 improves <i>Paraburkholderia xenovorans</i> LB400 tolerance to oxidative stress caused by paraquat and H ₂ O ₂ . <i>PLoS ONE</i> , 2019, 14, e0221881.	1.1	4
2033	Diversity of astacin-like metalloproteases identified by transcriptomic analysis in Peruvian <i>Loxosceles laeta</i> spider venom and in vitro activity characterization. <i>Biochimie</i> , 2019, 167, 81-92.	1.3	12
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2035	Genome-Wide Identification and Characterization of the UBP Gene Family in Moso Bamboo (<i>Phyllostachys edulis</i>). <i>International Journal of Molecular Sciences</i> , 2019, 20, 4309.	1.8	14
2036	Different spatiotemporal organization of GPI-anchored T-cadherin in response to low-density lipoprotein and adiponectin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129414.	1.1	10
2037	A lipid-binding protein mediates rhoptry discharge and invasion in <i>Plasmodium falciparum</i> and <i>Toxoplasma gondii</i> parasites. <i>Nature Communications</i> , 2019, 10, 4041.	5.8	47

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2040	In-silico design and production of a novel antigenic chimeric Shigella IpaB fused to C-terminal of Clostridium perfringens enterotoxin. <i>Molecular Biology Reports</i> , 2019, 46, 6105-6115.	1.0	0
2041	Intestinal serotonin and fluoxetine exposure modulate bacterial colonization in the gut. <i>Nature Microbiology</i> , 2019, 4, 2064-2073.	5.9	264
2042	Gene expression profiles of bovine genital ridges during sex determination and early differentiation of the gonads. <i>Biology of Reproduction</i> , 2020, 102, 38-52.	1.2	6
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2044	In Silico Characterization of Meloidogyne Genus Nematode Cellulose Binding Proteins. <i>Brazilian Archives of Biology and Technology</i> , 2019, 62, .	0.5	1
2045	Soluble Regions of GlpG Influence Protein-Lipid Interactions and Lipid Distribution. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7852-7858.	1.2	1
2046	Effect of Long-Term Fungicide Applications on Virulence and Diversity of Colletotrichum spp. Associated to Olive Anthracnose. <i>Plants</i> , 2019, 8, 311.	1.6	14
2047	Retinol dehydrogenase 12 (RDH12): Role in vision, retinal disease and future perspectives. <i>Experimental Eye Research</i> , 2019, 188, 107793.	1.2	11
2048	An immunoinformatics approach for design and validation of multi-subunit vaccine against Cryptosporidium parvum. <i>Immunobiology</i> , 2019, 224, 747-757.	0.8	12
2049	A protein architecture guided screen for modification dependent restriction endonucleases. <i>Nucleic Acids Research</i> , 2019, 47, 9761-9776.	6.5	22
2050	The phage gene wmk is a candidate for male killing by a bacterial endosymbiont. <i>PLoS Pathogens</i> , 2019, 15, e1007936.	2.1	64
2051	A Bacterial Effector Mimics a Host HSP90 Client to Undermine Immunity. <i>Cell</i> , 2019, 179, 205-218.e21.	13.5	53
2052	Group A, B, C, and G Streptococcus Lancefield antigen biosynthesis is initiated by a conserved Î±-D-GlcNAc-1,4-l-rhamnosyltransferase. <i>Journal of Biological Chemistry</i> , 2019, 294, 15237-15256.	1.6	25
2053	Mitoribosomal small subunit biogenesis in trypanosomes involves an extensive assembly machinery. <i>Science</i> , 2019, 365, 1144-1149.	6.0	61
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2060	Expression of a novel class of bacterial Ig-like proteins is required for IncHI plasmid conjugation. <i>PLoS Genetics</i> , 2019, 15, e1008399.	1.5	15
2061	Identification and developmental expression of putative gene encoding juvenile hormone esterase (CpJHE-like) in codling moth, <i>Cydia pomonella</i> (L.). <i>Journal of Integrative Agriculture</i> , 2019, 18, 1624-1633.	1.7	4
2062	Physical and Functional Compartmentalization of Archaeal Chromosomes. <i>Cell</i> , 2019, 179, 165-179.e18.	13.5	62
2063	Mitochondrial protein import is regulated by p17/PERMIT to mediate lipid metabolism and cellular stress. <i>Science Advances</i> , 2019, 5, eaax1978.	4.7	39
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2065	Missense mutations in a transmembrane domain of the <i>Komagataeibacter xylinus</i> BcsA lead to changes in cellulose synthesis. <i>BMC Microbiology</i> , 2019, 19, 216.	1.3	10
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2075	Structural insights into the mechanism of human soluble guanylate cyclase. <i>Nature</i> , 2019, 574, 206-210.	13.7	102
2076	Structure of the inner kinetochore CCAN complex assembled onto a centromeric nucleosome. <i>Nature</i> , 2019, 574, 278-282.	13.7	113
2077	<i>Vibrio</i> Proteases for Biomedical Applications: Modulating the Proteolytic Secretome of <i>V. alginolyticus</i> and <i>V. parahaemolyticus</i> for Improved Enzymes Production. <i>Microorganisms</i> , 2019, 7, 387.	1.6	10
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4081	Developing and evaluating lignocellulolytic hyper producing deregulated strains of <i>Mycothermus thermophilus</i> for hydrolysis of lignocellulosics. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 5059-5071.	2.9	3
4082	Identification of a genetic variant underlying familial cases of recurrent benign paroxysmal positional vertigo. <i>PLoS ONE</i> , 2021, 16, e0251386.	1.1	2
4083	Characterization of Lysozyme-Like Effector TseP Reveals the Dependence of Type VI Secretion System (T6SS) Secretion on Effectors in <i>Aeromonas dhakensis</i> Strain SSU. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0043521.	1.4	11
4084	The miR-378c-Samd1 circuit promotes phenotypic modulation of vascular smooth muscle cells and foam cells formation in atherosclerosis lesions. <i>Scientific Reports</i> , 2021, 11, 10548.	1.6	16
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4086	Identification of a PadR-type regulator essential for intracellular pathogenesis of <i>Burkholderia pseudomallei</i> . <i>Scientific Reports</i> , 2021, 11, 10405.	1.6	1
4087	Association between RAD51, XRCC2 and XRCC3 gene polymorphisms and risk of ovarian cancer: a case control and an in silico study. <i>Molecular Biology Reports</i> , 2021, 48, 4209-4220.	1.0	5
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4090	Diverse RNA Viruses Discovered in Three Parasitoid Wasps of the Rice Weevil <i>Sitophilus oryzae</i> . <i>MSphere</i> , 2021, 6, .	1.3	5
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4093	Interferon Gamma Induces the Increase of Cell-Surface Markers (CD80/86, CD83 and MHC-II) in Splenocytes From Atlantic Salmon. <i>Frontiers in Immunology</i> , 2021, 12, 666356.	2.2	8
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4096	Phosphorylated G β 2 is a directional cue during yeast gradient tracking. <i>Science Signaling</i> , 2021, 14, .	1.6	5
4097	Binding interaction of glyphosate with glyphosate oxidoreductase and ATP lyase: Molecular docking and molecular dynamics simulation studies. <i>Journal of Hazardous Materials</i> , 2021, 409, 124927.	6.5	101

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4101	SWI/SNF subunit BAF155 N-terminus structure informs the impact of cancer-associated mutations and reveals a potential drug binding site. <i>Communications Biology</i> , 2021, 4, 528.	2.0	5
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4103	In Silico Structural and Functional Analysis of <i>Bacillus</i> Uricases. <i>Current Proteomics</i> , 2021, 18, 124-142.	0.1	0
4104	Towards Understanding Afghanistan Pea Symbiotic Phenotype Through the Molecular Modeling of the Interaction Between LykX-Sym10 Receptor Heterodimer and Nod Factors. <i>Frontiers in Plant Science</i> , 2021, 12, 642591.	1.7	6
4105	Study of the collagen type VI alpha 3 (COL6A3) gene in Parkinson's disease. <i>BMC Neurology</i> , 2021, 21, 187.	0.8	6
4106	A novel pH and thermo-tolerant halophilic alpha-amylase from moderate halophile <i>Nesterenkonia</i> sp. strain F: gene analysis, molecular cloning, heterologous expression and biochemical characterization. <i>Archives of Microbiology</i> , 2021, 203, 3641-3655.	1.0	5
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4109	A Rare Variant in ERF (rs144812092) Predisposes to Prostate and Bladder Cancers in an Extended Pedigree. <i>Cancers</i> , 2021, 13, 2399.	1.7	4
4110	Host-Pathogen Interactions in Human Polyomavirus 7's Associated Pruritic Skin Eruption. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1344-1348.e8.	0.3	7
4111	The Spike of Concern's The Novel Variants of SARS-CoV-2. <i>Viruses</i> , 2021, 13, 1002.	1.5	92
4112	Genome Evolutionary Dynamics Meets Functional Genomics: A Case Story on the Identification of SLC25A44. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5669.	1.8	2
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4119	Compelling Evidence for the Activity of Antiviral Peptides against SARS-CoV-2. <i>Viruses</i> , 2021, 13, 912.	1.5	16
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4121	Characterization of the RNA-Binding Protein TcSgn1 in <i>Trypanosoma cruzi</i> . <i>Microorganisms</i> , 2021, 9, 986.	1.6	1
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4124	Structural characterization of the family GH115 α -glucuronidase from <i>Amphibacillus xylanus</i> yields insight into its coordinated action with β -arabinofuranosidases. <i>New Biotechnology</i> , 2021, 62, 49-56.	2.4	8
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4126	Isolation and Characterization of CD39-like Phosphodiesterase (Cc-PDE) from <i>Cerastes cerastes</i> Venom: Molecular Inhibitory Mechanism of Antiaggregation and Anticoagulation. <i>Protein and Peptide Letters</i> , 2021, 28, 426-441.	0.4	6
4127	Cyanobacterial branching enzymes bind to β -glucan via surface binding sites. <i>Archives of Biochemistry and Biophysics</i> , 2021, 702, 108821.	1.4	4
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4130	Protein Structure Prediction: Conventional and Deep Learning Perspectives. <i>Protein Journal</i> , 2021, 40, 522-544.	0.7	36
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4132	The clinical and functional effects of <i>TERT</i> variants in myelodysplastic syndrome. <i>Blood</i> , 2021, 138, 898-911.	0.6	27
4133	Evolutionary and biochemical characterization of a <i>Chromochloris zofingiensis</i> MBOAT with wax synthase and diacylglycerol acyltransferase activity. <i>Journal of Experimental Botany</i> , 2021, 72, 5584-5598.	2.4	9
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4140	In Silico Structural, Functional, and Phylogenetic Analysis of Cytochrome (CYPD) Protein Family. <i>BioMed Research International</i> , 2021, 2021, 1-13.	0.9	11
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4146	Subfunctionalization of Paralog Transcription Factors Contributes to Regulation of Alkaloid Pathway Branch Choice in <i>Catharanthus roseus</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 687406.	1.7	10
4147	Simulated mutations in the geminivirus replicase gene using in-silico CRISPR / Cas9-based methods. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 741, 012043.	0.2	0
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4154	The structure of an infectious immature flavivirus redefines viral architecture and maturation. <i>Science Advances</i> , 2021, 7, .	4.7	33
4156	Differential regulation of the calcium-dependent protein kinase CPK28 by site-specific modification. <i>Plant Physiology</i> , 2021, 186, 1358-1361.	2.3	6

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4158	When in Need of an ESCRT: The Nature of Virus Assembly Sites Suggests Mechanistic Parallels between Nuclear Virus Egress and Retroviral Budding. <i>Viruses</i> , 2021, 13, 1138.	1.5	12
4159	Nutrient sensing and acquisition in fungi: mechanisms promoting pathogenesis in plant and human hosts. <i>Fungal Biology Reviews</i> , 2021, 36, 1-14.	1.9	16
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4162	HP1021 is a redox switch protein identified in <i>Helicobacter pylori</i> . <i>Nucleic Acids Research</i> , 2021, 49, 6863-6879.	6.5	10
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4170	The American lobster genome reveals insights on longevity, neural, and immune adaptations. <i>Science Advances</i> , 2021, 7, .	4.7	27
4171	Structure of the cytoplasmic domain of SctV (SsaV) from the <i>Salmonella</i> SPI-2 injectisome and implications for a pH sensing mechanism. <i>Journal of Structural Biology</i> , 2021, 213, 107729.	1.3	13
4172	Novel biallelic mutations in POLG gene: large deletion and missense variant associated with PEO. <i>Neurological Sciences</i> , 2021, 42, 4271-4280.	0.9	2
4173	Structural and functional characterization of a plant alpha-actinin. <i>FEBS Open Bio</i> , 2021, 11, 2198-2210.	1.0	1
4174	Computational Resources for Bioscience Education. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3418-3424.	1.4	0
4175	Molecular Features of the Measles Virus Viral Fusion Complex That Favor Infection and Spread in the Brain. <i>MBio</i> , 2021, 12, e0079921.	1.8	24
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4178	The Breadth and Molecular Basis of Hcp-Driven Type VI Secretion System Effector Delivery. <i>MBio</i> , 2021, 12, e0026221.	1.8	22
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4183	Ectopic Expression of <i>WsSGTL3.1</i> Gene in <i>Arabidopsis thaliana</i> Confers Enhanced Resistance to <i>Pseudomonas syringae</i> . <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1871-1886.	2.8	1
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4188	Structural and Functional Analysis of a Multimodular Hyperthermostable Xylanase-Glucuronoyl Esterase from <i>Caldicellulosiruptor kristjansonii</i> . <i>Biochemistry</i> , 2021, 60, 2206-2220.	1.2	7
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4198	Modulation of Viral Programmed Ribosomal Frameshifting and Stop Codon Readthrough by the Host Restriction Factor Shiftless. <i>Viruses</i> , 2021, 13, 1230.	1.5	22
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4208	Two <i>Fusarium</i> copper radical oxidases with high activity on aryl alcohols. <i>Biotechnology for Biofuels</i> , 2021, 14, 138.	6.2	12
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4221	Expanding standards in viromics: in silico evaluation of dsDNA viral genome identification, classification, and auxiliary metabolic gene curation. <i>PeerJ</i> , 2021, 9, e11447.	0.9	51
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4227	Comparative Genomics of Prophages Sato and Sole Expands the Genetic Diversity Found in the Genus <i>Betatectivirus</i> . <i>Microorganisms</i> , 2021, 9, 1335.	1.6	1
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4394	Molecular Characterization, Expression Analysis of Carotenoid, Xanthophyll, Apocarotenoid Pathway Genes, and Carotenoid and Xanthophyll Accumulation in <i>Chelidonium majus</i> L.. <i>Plants</i> , 2021, 10, 1753.	1.6	3
4395	PKC μ controls the fusion of secretory vesicles in mast cells in a phosphatidic acid-dependent mode. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 377-389.	3.6	2
4396	Chimeric virus-like particles (VLPs) designed from shrimp nodavirus (MrNV) capsid protein specifically target EGFR-positive human colorectal cancer cells. <i>Scientific Reports</i> , 2021, 11, 16579.	1.6	9
4397	Genome-wide characterization and expression profiling of the Phospholipase C (PLC) gene family in three orchids of economic importance. <i>Journal of Genetic Engineering and Biotechnology</i> , 2021, 19, 124.	1.5	5
4398	Site-Specific Nonenzymatic Peptide S/O-Glutamylation Reveals the Extent of Substrate Promiscuity in Glutamate Elimination Domains. <i>Journal of the American Chemical Society</i> , 2021, 143, 13358-13369.	6.6	11
4399	Identification of Tse8 as a Type VI secretion system toxin from <i>Pseudomonas aeruginosa</i> that targets the bacterial transamidosome to inhibit protein synthesis in prey cells. <i>Nature Microbiology</i> , 2021, 6, 1199-1210.	5.9	30
4400	A Widespread Bacterial Secretion System with Diverse Substrates. <i>MBio</i> , 2021, 12, e0195621.	1.8	30
4401	A Review of Honeybee Venom Allergens and Allergenicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8371.	1.8	22
4402	Genome-wide analysis of HECT E3 ubiquitin ligase gene family in <i>Solanum lycopersicum</i> . <i>Scientific Reports</i> , 2021, 11, 15891.	1.6	10
4403	The <i>Parastagonospora nodorum</i> necrotrophic effector SnTox5 targets the wheat gene <i>Snn5</i> and facilitates entry into the leaf mesophyll. <i>New Phytologist</i> , 2022, 233, 409-426.	3.5	28
4404	In silico Characterization of the Heme Oxygenase 1 From Bottlenose Dolphin (<i>Tursiops truncatus</i>): Evidence of Changes in the Active Site and Purifying Selection. <i>Frontiers in Physiology</i> , 2021, 12, 711645.	1.3	2
4406	Identification and characterization of metal uptake ABC transporters in <i>Mycobacterium tuberculosis</i> unveil their ligand specificity. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 324-337.	3.6	4
4407	Auxin transport mechanism of membrane transporter encoded by AEC gene of <i>Bacillus licheniformis</i> isolated from metagenome of Tapta Kund Hotspring of Uttarakhand, India. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 277-286.	3.6	5
4408	Iron Oxidation by a Fused Cytochrome-Porin Common to Diverse Iron-Oxidizing Bacteria. <i>MBio</i> , 2021, 12, e0107421.	1.8	34
4409	Cytidine nucleoside analog is an effective antiviral drug against <i>Trichomonas</i> virus. <i>Journal of Microbiology, Immunology and Infection</i> , 2022, 55, 191-198.	1.5	6
4410	Tailed Lytic Bacteriophages of Soft Rot Pectobacteriaceae. <i>Microorganisms</i> , 2021, 9, 1819.	1.6	7
4411	Chimeric bi-functional enzyme possessing xylanase and deacetylase activity for hydrolysis of agro-biomass rich in acetylated xylan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111832.	2.5	2

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4412	Genetically magnetic control of neural system via TRPV4 activation with magnetic nanoparticles. <i>Nano Today</i> , 2021, 39, 101187.	6.2	13
4413	Genome wide investigation of MAPKKs from <i>Cicer arietinum</i> and their involvement in plant defense against <i>Helicoverpa armigera</i> . <i>Physiological and Molecular Plant Pathology</i> , 2021, 115, 101685.	1.3	10
4414	Analysis of drug resistance marker genes of <i>Plasmodium falciparum</i> after implementation of artemisinin-based combination therapy in Pune district, India. <i>Journal of Biosciences</i> , 2021, 46, 1.	0.5	2
4415	Soybean Cyst Nematode Resistance Quantitative Trait Locus <i>qSCN-006</i> Alters the Expression of a β -SNAP Protein. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 1433-1445.	1.4	10
4416	Puf6 primes 60S pre-ribosome nuclear export at low temperature. <i>Nature Communications</i> , 2021, 12, 4696.	5.8	8
4417	An Antimicrobial peptide hepcidin, St-hep from tuberculated flathead, <i>Sorsogona tuberculata</i> (Cuvier.) Tj ETQq1 1 0.784314 2 BT /Over	0.8	2
4420	Virulence effector SidJ evolution in <i>Legionella pneumophila</i> is driven by positive selection and intragenic recombination. <i>PeerJ</i> , 2021, 9, e12000.	0.9	1
4421	Conserved Plasmodium Protein (PF3D7_0406000) of Unknown Function: In-silico Analysis and Cellular Localization. <i>Infection, Genetics and Evolution</i> , 2021, 92, 104848.	1.0	1
4422	Antisense Peptide Technology for Diagnostic Tests and Bioengineering Research. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9106.	1.8	5
4423	In-silico design of envelope based multi-epitope vaccine candidate against Kyasanur forest disease virus. <i>Scientific Reports</i> , 2021, 11, 17118.	1.6	17
4424	Pathophysiological and Pharmacological Characteristics of KCNJ5 157-159delITE Somatic Mutation in Aldosterone-Producing Adenomas. <i>Biomedicines</i> , 2021, 9, 1026.	1.4	6
4426	Allele-specific mitochondrial stress induced by Multiple Mitochondrial Dysfunctions Syndrome 1 pathogenic mutations modeled in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2021, 17, e1009771.	1.5	7
4427	TMEM41B acts as an ER scramblase required for lipoprotein biogenesis and lipid homeostasis. <i>Cell Metabolism</i> , 2021, 33, 1655-1670.e8.	7.2	77
4428	Design and Prototyping of Genetically Encoded Arsenic Biosensors Based on Transcriptional Regulator AfArsR. <i>Biomolecules</i> , 2021, 11, 1276.	1.8	6
4429	Comparative Molecular Dynamics Investigation of the Electromotile Hearing Protein Prestin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8318.	1.8	2
4431	The structure and flexibility analysis of the <i>Arabidopsis</i> synaptotagmin 1 reveal the basis of its regulation at membrane contact sites. <i>Life Science Alliance</i> , 2021, 4, e202101152.	1.3	9
4432	The PilB-PilZ-FimX regulatory complex of the Type IV pilus from <i>Xanthomonas citri</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009808.	2.1	6
4433	Impact of natural mutations on the riboflavin transporter 2 and their relevance to human riboflavin transporter deficiency 2. <i>IUBMB Life</i> , 2022, 74, 618-628.	1.5	6

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4434	Structure of the ancient TRPY1 channel from <i>Saccharomyces cerevisiae</i> reveals mechanisms of modulation by lipids and calcium. <i>Structure</i> , 2022, 30, 139-155.e5.	1.6	12
4435	<i>Enterococcus</i> peptidoglycan remodeling promotes checkpoint inhibitor cancer immunotherapy. <i>Science</i> , 2021, 373, 1040-1046.	6.0	158
4437	Effect of GP19 Peptide Hyperimmune Antiserum on Activated Macrophage during <i>Ehrlichia canis</i> Infection in Canine Macrophage-like Cells. <i>Animals</i> , 2021, 11, 2310.	1.0	1
4439	Structural elements determining the transglycosylating activity of glycoside hydrolase family 57 glycogen branching enzymes. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 155-163.	1.5	9
4440	A Putative Lignin Copper Oxidase from <i>Trichoderma reesei</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 643.	1.5	5
4441	<i>Caenorhabditis elegans</i> DSB-3 reveals conservation and divergence among protein complexes promoting meiotic double-strand breaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	23
4442	Nodal modulator (NOMO) is required to sustain endoplasmic reticulum morphology. <i>Journal of Biological Chemistry</i> , 2021, 297, 100937.	1.6	4
4443	Identification and physiological function of CsPrip, a new aquaporin in <i>Chilo suppressalis</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 184, 721-730.	3.6	3
4445	Whole exome sequencing identified a novel frameshift variant in the BHLHA9 in an Iranian family with mesoaxial synostotic syndactyly. <i>Congenital Anomalies (discontinued)</i> , 2021, 61, 220-225.	0.3	1
4446	Three ParA Dimers Cooperatively Assemble on Type Ia Partition Promoters. <i>Genes</i> , 2021, 12, 1345.	1.0	3
4448	Characterization of an α -Glucosidase Enzyme Conserved in <i>Gardnerella</i> spp. Isolated from the Human Vaginal Microbiome. <i>Journal of Bacteriology</i> , 2021, 203, e0021321.	1.0	14
4449	Revealing RNA virus diversity and evolution in unicellular algae transcriptomes. <i>Virus Evolution</i> , 2021, 7, .	2.2	28
4451	<i>TMEM106B</i> in humans and Vac7 and Tag1 in yeast are predicted to be lipid transfer proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 164-175.	1.5	13
4452	Molecular and Structural Parallels between Gluten Pathogenic Peptides and Bacterial-Derived Proteins by Bioinformatics Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9278.	1.8	5
4453	Genetic Characterization of the Tetracycline-Resistance Gene tet(X) Carried by Two <i>Epilithonimonas</i> Strains Isolated from Farmed Diseased Rainbow Trout, <i>Oncorhynchus mykiss</i> in Chile. <i>Antibiotics</i> , 2021, 10, 1051.	1.5	3
4454	Comprehensive genome wide identification and expression analysis of MTP gene family in tomato (<i>Solanum lycopersicum</i>) under multiple heavy metal stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6946-6956.	1.8	25
4455	Functional characterization of CDK10 and cyclin M truncated variants causing severe developmental disorders. <i>Molecular Genetics & Genomic Medicine</i> , 2021, 9, e1782.	0.6	2
4456	Identification and Phenotypic Characterization of Hsp90 Phosphorylation Sites That Modulate Virulence Traits in the Major Human Fungal Pathogen <i>Candida albicans</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 637836.	1.8	9

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4457	Genomic Characterisation of a Highly Divergent Siadenovirus (Psittacine Siadenovirus F) from the Critically Endangered Orange-Bellied Parrot (<i>Neophema chrysogaster</i>). <i>Viruses</i> , 2021, 13, 1714.	1.5	18
4458	Magnesium transporter Gene Family: Genome-Wide Identification and Characterization in <i>Theobroma cacao</i> , <i>Corchorus capsularis</i> , and <i>Gossypium hirsutum</i> of Family Malvaceae. <i>Agronomy</i> , 2021, 11, 1651.	1.3	40
4460	The Oxoglutarate Binding Site and Regulatory Mechanism Are Conserved in Ammonium Transporter Inhibitors GlnKs from Methanococcales. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8631.	1.8	6
4461	Molecular Analysis of Full-Length VP2 of Canine Parvovirus Reveals Antigenic Drift in CPV-2b and CPV-2c Variants in Central Chile. <i>Animals</i> , 2021, 11, 2387.	1.0	7
4462	Insights into animal septins using recombinant human septin octamers with distinct SEPT9 isoforms. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	19
4464	Characterization of New Allergens from the Venom of the European Paper Wasp <i>Polistes dominula</i> . <i>Toxins</i> , 2021, 13, 559.	1.5	6
4465	Changes in secondary metabolites and fiber quality of cotton (<i>Gossypium hirsutum</i>) seed under consecutive water stress and in silico analysis of cellulose synthase and xyloglucan endotransglucosylase. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1837-1857.	1.4	7
4466	Protein Nucleotidylation in +ssRNA Viruses. <i>Viruses</i> , 2021, 13, 1549.	1.5	4
4467	Design and Optimization of a Biosensor Surface Functionalization to Effectively Capture Urinary Extracellular Vesicles. <i>Molecules</i> , 2021, 26, 4764.	1.7	5
4468	Forecasting of phenotypic and genetic outcomes of experimental evolution in <i>Pseudomonas protegens</i> . <i>PLoS Genetics</i> , 2021, 17, e1009722.	1.5	7
4469	Novel <i>Acinetobacter baumannii</i> Bacteriophage Aristophanes Encoding Structural Polysaccharide Deacetylase. <i>Viruses</i> , 2021, 13, 1688.	1.5	9
4470	Heat shock protein 27 activity is linked to endothelial barrier recovery after proinflammatory GPCR-induced disruption. <i>Science Signaling</i> , 2021, 14, eabc1044.	1.6	23
4473	The Sw5a gene confers resistance to ToLCNDV and triggers an HR response after direct AC4 effector recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	28
4474	Identification and Classification of Novel Genetic Variants: En Route to the Diagnosis of Primary Ciliary Dyskinesia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8821.	1.8	4
4475	Biallelic SYNE2 Missense Mutations Leading to Nesprin-2 Giant Hypo-Expression Are Associated with Intellectual Disability and Autism. <i>Genes</i> , 2021, 12, 1294.	1.0	6
4476	In silico study on spice-derived antiviral phytochemicals against SARS-CoV-2 TMPRSS2 target. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11874-11884.	2.0	13
4477	Native structure of the RhopH complex, a key determinant of malaria parasite nutrient acquisition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
4479	The dual-targeted prolyl aminopeptidase PAP1 is involved in proline accumulation in response to stress and during pollen development. <i>Journal of Experimental Botany</i> , 2021, , .	2.4	7

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4482	Gene Frequency Shift in Relict <i>Abies pinsapo</i> Forests Associated with Drought-Induced Mortality: Preliminary Evidence of Local-Scale Divergent Selection. <i>Forests</i> , 2021, 12, 1220.	0.9	4
4483	Computational vaccinology guided design of multi-epitopes subunit vaccine designing against Hantaan virus and its validation through immune simulations. <i>Infection, Genetics and Evolution</i> , 2021, 93, 104950.	1.0	4
4484	Engineering improved ethylene production: Leveraging systems biology and adaptive laboratory evolution. <i>Metabolic Engineering</i> , 2021, 67, 308-320.	3.6	8
4485	Human herpesvirus 8 molecular mimicry of ephrin ligands facilitates cell entry and triggers EphA2 signaling. <i>PLoS Biology</i> , 2021, 19, e3001392.	2.6	7
4486	Identification of key residues for efficient glucose transport by the hexose transporter CgHxt4 in high sugar fermentation yeast <i>Candida glycerinogenes</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7295-7307.	1.7	3
4488	Amylomaltases in Extremophilic Microorganisms. <i>Biomolecules</i> , 2021, 11, 1335.	1.8	10
4489	A Novel Glutathione S-Transferase Gtt2 Class (VpGSTT2) Is Found in the Genome of the AHPND/EMS <i>Vibrio parahaemolyticus</i> Shrimp Pathogen. <i>Toxins</i> , 2021, 13, 664.	1.5	1
4491	Pathways of thymidine hypermodification. <i>Nucleic Acids Research</i> , 2022, 50, 3001-3017.	6.5	12
4492	Characterization of the NiRAN domain from RNA-dependent RNA polymerase provides insights into a potential therapeutic target against SARS-CoV-2. <i>PLoS Computational Biology</i> , 2021, 17, e1009384.	1.5	18
4493	Identification of SNPs in rice GPAT genes and in silico analysis of their functional impact on GPAT proteins. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12346.	0.5	0
4494	In silico integrative analysis for the characterization of LYT1 a unique protein of <i>Trypanosoma cruzi</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-7.	2.0	0
4495	Genome-wide identification of the BURP domain-containing genes in <i>Phaseolus vulgaris</i> . <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1885-1902.	1.4	8
4496	Integration of selection signatures and multi-trait GWAS reveals polygenic genetic architecture of carcass traits in beef cattle. <i>Genomics</i> , 2021, 113, 3325-3336.	1.3	19
4499	<i>Aedes aegypti</i> Toll pathway is induced through dsRNA sensing in endosomes. <i>Developmental and Comparative Immunology</i> , 2021, 122, 104138.	1.0	7
4500	Computational models in the service of X-ray and cryo-electron microscopy structure determination. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1633-1646.	1.5	37
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4502	Functional variation (Q63R) in the cannabinoid CB2 receptor may affect the severity of COVID-19: a human study and molecular docking. <i>Archives of Virology</i> , 2021, 166, 3117-3126.	0.9	6

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4504	<i>Pseudomonas</i> Phage MD8: Genetic Mosaicism and Challenges of Taxonomic Classification of Lambdoid Bacteriophages. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10350.	1.8	10
4505	The HMGB Protein Kllxr1, a DNA Binding Regulator of <i>Kluyveromyces lactis</i> Gene Expression Involved in Oxidative Metabolism, Growth, and dNTP Synthesis. <i>Biomolecules</i> , 2021, 11, 1392.	1.8	2
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4508	An NADPH-Dependent Ketoreductase Catalyses the Tetracyclic to Pentacyclic Skeletal Rearrangement in Chartreusin Biosynthesis. <i>Angewandte Chemie</i> , 2021, 133, 26582-26588.	1.6	2
4509	Identification and characterization of the <i>AINV</i> genes in five <i>Gossypium</i> species with potential functions of <i>GhAINVs</i> under abiotic stress. <i>Physiologia Plantarum</i> , 2021, 173, 2091-2102.	2.6	3
4510	Crystal structure of the anti-CRISPR repressor Aca2. <i>Journal of Structural Biology</i> , 2021, 213, 107752.	1.3	6
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4513	Functional Analysis of the GPI Transamidase Complex by Screening for Amino Acid Mutations in Each Subunit. <i>Molecules</i> , 2021, 26, 5462.	1.7	5
4514	The Pbo Cluster from <i>Pseudomonas syringae</i> pv. <i>Phaseolicola</i> NPS3121 Is Thermoregulated and Required for Phaseolotoxin Biosynthesis. <i>Toxins</i> , 2021, 13, 628.	1.5	1
4515	Xanthohumol Requires the Intestinal Microbiota to Improve Glucose Metabolism in Diet-Induced Obese Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100389.	1.5	13
4516	Structural depiction and analysis of RasGap protein using molecular dynamics simulations. <i>Journal of Applied Pharmaceutical Science</i> , 0, , .	0.7	0
4517	NgAgo possesses guided DNA nicking activity. <i>Nucleic Acids Research</i> , 2021, 49, 9926-9937.	6.5	13
4519	A Tad-like apparatus is required for contact-dependent prey killing in predatory social bacteria. <i>ELife</i> , 2021, 10, .	2.8	42
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4522	Morphological and Genomic Features of the New Klosneuvirinae Isolate Fadolivirus IHUMI-VV54. <i>Frontiers in Microbiology</i> , 2021, 12, 719703.	1.5	9
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4525	Molecular mechanism of interactions between ACAD9 and binding partners in mitochondrial respiratory complex I assembly. <i>IScience</i> , 2021, 24, 103153.	1.9	13
4526	<i>Trypanosoma brucei</i> Tim50 Possesses PAP Activity and Plays a Critical Role in Cell Cycle Regulation and Parasite Infectivity. <i>MBio</i> , 2021, 12, e0159221.	1.8	3
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4529	A Functional Variant of CXCL16 Is Associated With Predisposition to Sepsis and MODS in Trauma Patients: Genetic Association Studies. <i>Frontiers in Genetics</i> , 2021, 12, 720313.	1.1	2
4530	YfiF, an unknown protein, affects initiation timing of chromosome replication in <i>Escherichia coli</i> . <i>Journal of Basic Microbiology</i> , 2021, 61, 883-899.	1.8	1
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4535	Immunogenic profiling and designing of a novel vaccine from capsid proteins of FMDV serotype Asia-1 through reverse vaccinology. <i>Infection, Genetics and Evolution</i> , 2021, 93, 104925.	1.0	0
4536	In silico drug discovery for a complex immunotherapeutic target - human c-Rel protein. <i>Biophysical Chemistry</i> , 2021, 276, 106593.	1.5	3
4538	Chemical Biology Tools for Modulating and Visualizing Gram-Negative Bacterial Surface Polysaccharides. <i>ACS Chemical Biology</i> , 2021, 16, 1841-1865.	1.6	8
4539	Structure-Based Understanding of ABCA3 Variants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10282.	1.8	6
4540	Phosphorylation in the accessory domain of yeast histone chaperone protein 1 exposes the nuclear export signal sequence. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 317-321.	1.5	2
4541	A novel decrystallizing protein CxEXL22 from <i>Arthrobotrys</i> sp. CX1 capable of synergistically hydrolyzing cellulose with cellulases. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	1
4542	A C-Terminally Truncated Variant of <i>Neurospora crassa</i> VDAC Assembles Into a Partially Functional Form in the Mitochondrial Outer Membrane and Forms Multimers in vitro. <i>Frontiers in Physiology</i> , 2021, 12, 739001.	1.3	2

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4545	Crystal structure of human cysteamine dioxygenase provides a structural rationale for its function as an oxygen sensor. <i>Journal of Biological Chemistry</i> , 2021, 297, 101176.	1.6	10
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4548	Green biomanufacturing promoted by automatic retrobiosynthesis planning and computational enzyme design. <i>Chinese Journal of Chemical Engineering</i> , 2022, 41, 6-21.	1.7	1
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4552	Characterization of Blf4, an Archaeal Lytic Virus Targeting a Member of the Methanomicrobiales. <i>Viruses</i> , 2021, 13, 1934.	1.5	8
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