Tamara Basta

List of Publications by Year in descending order

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24 papers	901 citations	623734 14 h-index	677142 22 g-index
26 all docs	26 docs citations	26 times ranked	1266 citing authors

#	Article	IF	Citations
1	Mutations in KEOPS-complex genes cause nephrotic syndrome with primary microcephaly. Nature Genetics, 2017, 49, 1529-1538.	21.4	164
2	Detection and Characterization of Conjugative Degradative Plasmids in Xenobiotic-Degrading Sphingomonas Strains. Journal of Bacteriology, 2004, 186, 3862-3872.	2.2	114
3	Structural and Genomic Properties of the Hyperthermophilic Archaeal Virus ATV with an Extracellular Stage of the Reproductive Cycle. Journal of Molecular Biology, 2006, 359, 1203-1216.	4.2	110
4	In vitro biosynthesis of a universal t6A tRNA modification in Archaea and Eukarya. Nucleic Acids Research, 2013, 41, 1953-1964.	14.5	70
5	Functional assignment of KEOPS/EKC complex subunits in the biosynthesis of the universal t 6 A tRNA modification. Nucleic Acids Research, 2013, 41, 9484-9499.	14.5	68
6	Structural and replicative diversity of large plasmids from sphingomonads that degrade polycyclic aromatic compounds and xenobiotics. Microbiology (United Kingdom), 2005, 151, 2025-2037.	1.8	67
7	Genome of the Acidianus bottle-shaped virus and insights into the replication and packaging mechanisms. Virology, 2007, 364, 237-243.	2.4	49
8	Structure of the Acidianus Filamentous Virus 3 and Comparative Genomics of Related Archaeal Lipothrixviruses. Journal of Virology, 2008, 82, 371-381.	3.4	49
9	Mechanistic and structural basis for inhibition of thymidylate synthase ThyX. Open Biology, 2012, 2, 120120.	3.6	37
10	Cross Kingdom Functional Conservation of the Core Universally Conserved Threonylcarbamoyladenosine tRNA Synthesis Enzymes. Eukaryotic Cell, 2014, 13, 1222-1231.	3.4	32
11	Novel archaeal plasmid pAH1 and its interactions with the lipothrixvirus AFV1. Molecular Microbiology, 2009, 71, 23-34.	2.5	29
12	4-Sulfomuconolactone Hydrolases from Hydrogenophaga intermedia S1 and Agrobacterium radiobacter S2. Journal of Bacteriology, 2007, 189, 6998-7006.	2.2	20
13	Characterization of the genes encoding the 3-carboxy-cis,cis-muconate-lactonizing enzymes from the 4-sulfocatechol degradative pathways of Hydrogenophaga intermedia S1 and Agrobacterium radiobacter S2. Microbiology (United Kingdom), 2006, 152, 3207-3216.	1.8	17
14	Unique genome replication mechanism of the archaeal virus <scp>AFV</scp>1. Molecular Microbiology, 2014, 92, 1313-1325.	2.5	16
15	The thermoâ€•and acidoâ€stable ORFâ€99 from the archaeal virus AFV1. Protein Science, 2009, 18, 1316-1320.	7.6	13
16	Structureâ€“function analysis of Sua5 protein reveals novel functional motifs required for the biosynthesis of the universal t⁶A tRNA modification. Rna, 2018, 24, 926-938.	3.5	11
17	Structure and function of the 3-carboxy-cis,cis-muconate lactonizing enzyme from the protocatechuate degradative pathway of Agrobacterium radiobacter S2. FEBS Journal, 2006, 273, 5169-5182.	4.7	7
18	The crystal structure of ORF14 from Sulfolobus islandicus filamentous virus. Proteins: Structure, Function and Bioinformatics, 2009, 76, 1020-1022.	2.6	7

#	Article	IF	Citations
19	Crystallization and preliminary X-ray diffraction analysis of protein 14 fromSulfolobus islandicusfilamentous virus (SIFV). Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 884-886.	0.7	4
20	Expanded Dataset Reveals the Emergence and Evolution of DNA Gyrase in Archaea. Molecular Biology and Evolution, 2022, 39, .	8.9	4
21	Function and Biosynthesis of the Universal tRNA Modification N6-Threonylcarbamoyl-Adenosine. Nucleic Acids and Molecular Biology, 2017, , 177-200.	0.2	3
22	The hyperthermophilic archaeon Thermococcus kodakarensis is resistant to pervasive negative supercoiling activity of DNA gyrase. Nucleic Acids Research, 2021, 49, 12332-12347.	14.5	3
23	Nanobiotechnological Potential of Viruses of Hyperthermophilic Archaea. , 2007, , 225-235.		1
24	Characterization of a small <scp> tRNA </scp> â€binding protein that interacts with the archaeal proteasome complex. Molecular Microbiology, 0, , .	2.5	1