

Vadim M Gumerov

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

737
citations

567281

15
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	MiST 3.0: an updated microbial signal transduction database with an emphasis on chemosensory systems. <i>Nucleic Acids Research</i> , 2020, 48, D459-D464.	14.5	129
2	Genome analysis of <i>Candidatus</i> <i>Chitinivibrio alkaliphilus</i> gen. nov., sp. nov., a novel extremely haloalkaliphilic anaerobic chitinolytic bacterium from the candidate phylum <i>Candidatus</i> <i>Termitegroup 3</i> . <i>Environmental Microbiology</i> , 2014, 16, 1549-1565.	3.8	58
3	How Bacterial Chemoreceptors Evolve Novel Ligand Specificities. <i>MBio</i> , 2020, 11, .	4.1	52
4	TREND: a platform for exploring protein function in prokaryotes based on phylogenetic, domain architecture and gene neighborhood analyses. <i>Nucleic Acids Research</i> , 2020, 48, W72-W76.	14.5	44
5	Uncultured archaea dominate in the thermal groundwater of Uzon Caldera, Kamchatka. <i>Extremophiles</i> , 2011, 15, 365-372.	2.3	43
6	Complete Genome Sequence of <i>Vulcanisaeta moutnovskia</i> Strain 768-28, a Novel Member of the Hyperthermophilic Crenarchaeal Genus <i>Vulcanisaeta</i> . <i>Journal of Bacteriology</i> , 2011, 193, 2355-2356.	2.2	39
7	Phenotypic and Genomic Properties of <i>Chitinispirillum alkaliphilum</i> gen. nov., sp. nov., A Haloalkaliphilic Anaerobic Chitinolytic Bacterium Representing a Novel Class in the Phylum <i>Fibrobacteres</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 407.	3.5	33
8	Diversity of bacterial chemosensory systems. <i>Current Opinion in Microbiology</i> , 2021, 61, 42-50.	5.1	32
9	Amino acid sensor conserved from bacteria to humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2110415119.	7.1	31
10	Complete Genome Sequence of the Thermoacidophilic Crenarchaeon <i>Thermoproteus uzoniensis</i> 768-20. <i>Journal of Bacteriology</i> , 2011, 193, 3156-3157.	2.2	30
11	Microbial life in Bourlyashchy, the hottest thermal pool of Uzon Caldera, Kamchatka. <i>Extremophiles</i> , 2015, 19, 1157-1171.	2.3	29
12	Structural insight into the molecular basis of polyextremophilicity of short-chain alcohol dehydrogenase from the hyperthermophilic archaeon <i>Thermococcus sibiricus</i> . <i>Biochimie</i> , 2012, 94, 2628-2638.	2.6	23
13	A di-iron protein recruited as an Fe[II] and oxygen sensor for bacterial chemotaxis functions by stabilizing an iron-peroxy species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14955-14960.	7.1	23
14	Characterization of a Thermostable Short-Chain Alcohol Dehydrogenase from the Hyperthermophilic Archaeon <i>Thermococcus sibiricus</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 4096-4098.	3.1	21
15	Complete Genome Sequence of Strain 1860, a Crenarchaeon of the Genus <i>Pyrobaculum</i> Able To Grow with Various Electron Acceptors. <i>Journal of Bacteriology</i> , 2012, 194, 727-728.	2.2	20
16	Aerobic bacteria and archaea tend to have larger and more versatile genomes. <i>Oikos</i> , 2021, 130, 501-511.	2.7	19
17	Analysis of the complete genome of <i>Fervidococcus fontis</i> confirms the distinct phylogenetic position of the order <i>Fervidococcales</i> and suggests its environmental function. <i>Extremophiles</i> , 2014, 18, 295-309.	2.3	15
18	Microbial diversity in acidic thermal pools in the Uzon Caldera, Kamchatka. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 35-43.	1.7	15

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19	Origins and Molecular Evolution of the NusG Paralog RfaH. MBio, 2020, 11, .	4.1	15
20	A Novel Highly Thermostable Multifunctional Beta-Glycosidase from Crenarchaeon <i>Acidilobus saccharovorans</i> . Archaea, 2015, 2015, 1-6.	2.3	13
21	Phyletic Distribution and Diversification of the Phage Shock Protein Stress Response System in Bacteria and Archaea. MSystems, 2022, 7, .	3.8	11
22	MicroRNA-derived network analysis of differentially methylated genes in schizophrenia, implicating GABA receptor B1 [GABBR1] and protein kinase B [AKT1]. Biology Direct, 2015, 10, 59.	4.6	8
23	Strategic traits of bacteria and archaea vary widely within substrate-use groups. FEMS Microbiology Ecology, 2021, 97, .	2.7	8
24	Characteristic of biodiversity of thermophilic microbial community by parallel pyrosequencing method. Doklady Biochemistry and Biophysics, 2010, 432, 110-113.	0.9	7
25	Isolation and functional characterization of lipase from the thermophilic alkali-tolerant bacterium <i>Thermosyntropha lipolytica</i> . Applied Biochemistry and Microbiology, 2012, 48, 338-343.	0.9	5
26	Sodium Chloride-Induced Modulation of the Activity and Thermal Stability of Short-Chain Oxidoreductase from the Archaeon <i>Thermococcus sibiricus</i> . Applied Biochemistry and Biotechnology, 2013, 171, 1877-1889.	2.9	1
27	New low-copy plasmid in cyanobacterium <i>Anabaena variabilis</i> . Russian Journal of Genetics, 2013, 49, 798-805.	0.6	1