Alexander V Lebedinsky

List of Publications by Year
in descending order

34 papers	1,583 citations	279798 23 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	1450 citing authors

#	Article	IF	Citations
1	Formate-driven growth coupled with H2 production. Nature, 2010, 467, 352-355.	27.8	202
2	Radioisotopic, Culture-Based, and Oligonucleotide Microchip Analyses of Thermophilic Microbial Communities in a Continental High-Temperature Petroleum Reservoir. Applied and Environmental Microbiology, 2003, 69, 6143-6151.	3.1	160
3	The first evidence of anaerobic CO oxidation coupled with H2 production by a hyperthermophilic archaeon isolated from a deep-sea hydrothermal vent. Extremophiles, 2004, 8, 317-323.	2.3	118
4	Diversity and ecophysiological features of thermophilic carboxydotrophic anaerobes. FEMS Microbiology Ecology, 2009, 68, 131-141.	2.7	106
5	Biodiversity of Thermophilic Prokaryotes with Hydrolytic Activities in Hot Springs of Uzon Caldera, Kamchatka (Russia). Applied and Environmental Microbiology, 2009, 75, 286-291.	3.1	101
6	Evidence for Horizontal Gene Transfer of Anaerobic Carbon Monoxide Dehydrogenases. Frontiers in Microbiology, 2012, 3, 132.	3.5	82
7	Genomic Analysis of Caldithrix abyssi, the Thermophilic Anaerobic Bacterium of the Novel Bacterial Phylum Calditrichaeota. Frontiers in Microbiology, 2017, 8, 195.	3.5	66
8	Distribution of Crenarchaeota Representatives in Terrestrial Hot Springs of Russia and Iceland. Applied and Environmental Microbiology, 2008, 74, 7620-7628.	3.1	56
9	Caldimicrobium rimae gen. nov., sp. nov., an extremely thermophilic, facultatively lithoautotrophic, anaerobic bacterium from the Uzon Caldera, Kamchatka. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 1040-1044.	1.7	50
10	Fervidicoccus fontis gen. nov., sp. nov., an anaerobic, thermophilic crenarchaeote from terrestrial hot springs, and proposal of Fervidicoccaceae fam. nov. and Fervidicoccales ord. nov.. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2082-2088.	1.7	50
11	Cultivated anaerobic acidophilic/acidotolerant thermophiles from terrestrial and deep-sea hydrothermal habitats. Extremophiles, 2005, 9, 437-448.	2.3	46
12	Identification of a Novel Class of Membrane-Bound [NiFe]-Hydrogenases in Thermococcus onnurineus NA1 by In Silico Analysis. Applied and Environmental Microbiology, 2010, 76, 6286-6289.	3.1	45
13	Anaerobic transformation of carbon monoxide by microbial communities of Kamchatka hot springs. Extremophiles, 2011, 15, 319-325.	2.3	39
14	Analysis of three genomes within the thermophilic bacterial species Caldanaerobacter subterraneus with a focus on carbon monoxide dehydrogenase evolution and hydrolase diversity. BMC Genomics, 2015, 16, 757.	2.8	38
15	Thermodesulfobium acidiphilum sp. nov., a thermoacidophilic, sulfate-reducing, chemoautotrophic bacterium from a thermal site. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1482-1485.	1.7	37
16	Complete Genome Sequence of the Anaerobic, Protein-Degrading Hyperthermophilic Crenarchaeon Desulfurococcus kamchatkensis. Journal of Bacteriology, 2009, 191, 2371-2379.	2.2	36
17	Detection of Putatively Thermophilic Anaerobic Methanotrophs in Diffuse Hydrothermal Vent Fluids. Applied and Environmental Microbiology, 2013, 79, 915-923.	3.1	36
18	Phylogenetic systematics of microorganisms inhabiting thermal environments. Biochemistry (Moscow), 2007, 72, 1299-1312.	1.5	32

#	Article	IF	Citations
19	Form III RubisCO-mediated transaldolase variant of the Calvin cycle in a chemolithoautotrophic bacterium. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18638-18646.	7.1	32
20	Microbial life in Bourlyashchy, the hottest thermal pool of Uzon Caldera, Kamchatka. Extremophiles, 2015, 19, 1157-1171.	2.3	29
21	Dissimilatory sulfate reduction in the archaeon â€˜Candidatus Vulcanisaeta moutnovskiaâ€™ sheds light on the evolution of sulfur metabolism. Nature Microbiology, 2020, 5, 1428-1438.	13.3	27
22	Complete Genome Sequence of the Hyperthermophilic Archaeon Thermococcus sp. Strain AM4, Capable of Organotrophic Growth and Growth at the Expense of Hydrogenogenic or Sulfidogenic Oxidation of Carbon Monoxide. Journal of Bacteriology, 2011, 193, 7019-7020.	2.2	26
23	Complete Genome Sequence of the Hyperthermophilic and Piezophilic Archaeon Thermococcus barophilus Ch5, Capable of Growth at the Expense of Hydrogenogenesis from Carbon Monoxide and Formate. Genome Announcements, 2016, 4, .	0.8	26
24	Genome analyses of the carboxydotrophic sulfate-reducers Desulfotomaculum nigrificans and Desulfotomaculum carboxydivorans and reclassification of Desulfotomaculum caboxydivorans as a later synonym of Desulfotomaculum nigrificans. Standards in Genomic Sciences, 2014, 9, 655-675.	1.5	25
25	Genomic Insights Into Energy Metabolism of Carboxydocella thermautotrophica Coupling Hydrogenogenic CO Oxidation With the Reduction of Fe(III) Minerals. Frontiers in Microbiology, 2018, 9, 1759.	3.5	23
26	Carboxydothermus islandicus sp. nov., a thermophilic, hydrogenogenic, carboxydotrophic bacterium isolated from a hot spring. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2532-2537.	1.7	20
27	Stroke Thrombectomy in Patients with COVID-19: Initial Experience in 13 Cases. American Journal of Neuroradiology, 2020, 41, 2012-2016.	2.4	16
28	Reclassification of Desulfurococcus mobilis as a synonym of Desulfurococcus mucosus, Desulfurococcus fermentans and Desulfurococcus kamchatkensis as synonyms of Desulfurococcus amylolyticus, and emendation of the D. mucosus and D. amylolyticus species descriptions. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 514-517.	1.7	16
29	Analysis of the complete genome of Fervidococcus fontis confirms the distinct phylogenetic position of the order Fervidicoccales and suggests its environmental function. Extremophiles, 2014, 18, 295-309.	2.3	15
30	Oligonucleotide Probes for the Detection of Representatives of the Genus Thermoanaerobacter. Microbiology, 2003, 72, 331-339.	1.2	9
31	PCR-Based Identification of Hyperthermophilic Archaea of the Family Thermococcaceae. Applied and Environmental Microbiology, 2004, 70, 5701-5703.	3.1	8
32	The first crenarchaeon capable of growth by anaerobic carbon monoxide oxidation coupled with H2 production. Systematic and Applied Microbiology, 2020, 43, 126064.	2.8	7
33	The Family Acidilobaceae. , 2014, , 9-14.		4
34	The Family Fervidicoccaceae. , 2014, , 35-40.		0