

Ilya V Kublanov

List of Publications by Year in descending order

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94
papers

2,819
citations

196777

29
h-index

252626

46
g-index

117
all docs

117
docs citations

117
times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Natronosporangium hydrolyticum</i> gen. nov., sp. nov., a haloalkaliphilic polyhydrolytic actinobacterium from a soda solonchak soil in Central Asia. <i>Systematic and Applied Microbiology</i> , 2022, 45, 126307.	1.2	2
2	<i>Natronocalculus amylovorans</i> gen. nov., sp. nov., and <i>Natranaeroarchaeum aerophilus</i> sp. nov., dominant culturable amylolytic natronoarchaea from hypersaline soda lakes in southwestern Siberia. <i>Systematic and Applied Microbiology</i> , 2022, 45, 126336.	1.2	4
3	<i>Thermogemmata fonticola</i> gen. nov., sp. nov., the first thermophilic planctomycete of the order Gemmatales from a Kamchatka hot spring. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126157.	1.2	22
4	A dataset of four probiotic <i>Bifidobacterium</i> strains genome assemblies. <i>Data in Brief</i> , 2021, 34, 106710.	0.5	5
5	Heterologous Expression of <i>Thermogutta terrifontis</i> Endo-Xanthanase in <i>Penicillium verruculosum</i> , Isolation and Primary Characterization of the Enzyme. <i>Biochemistry (Moscow)</i> , 2021, 86, 489-495.	0.7	5
6	<i>Natronoglycomyces albus</i> gen. nov., sp. nov, a haloalkaliphilic actinobacterium from a soda solonchak soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	12
7	Novel hyperthermophilic crenarchaeon <i>Infirmifilum lucidum</i> gen. nov. sp. nov., reclassification of <i>Thermofilum uzonense</i> as <i>Infirmifilum uzonense</i> comb. nov. and assignment of the family Thermofilaceae to the order Thermofilales ord. nov.. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126230.	1.2	15
8	MÄřssbauer, Nuclear Forward Scattering, and Raman Spectroscopic Approaches in the Investigation of Bioinduced Transformations of Mixed-Valence Antimony Oxide. <i>Journal of Physical Chemistry A</i> , 2021, 125, 139-145.	1.1	4
9	Activity-Based Protein Profiling for the Identification of Novel Carbohydrate-Active Enzymes Involved in Xylan Degradation in the Hyperthermophilic Euryarchaeon <i>Thermococcus</i> sp. Strain 2319x1E. <i>Frontiers in Microbiology</i> , 2021, 12, 734039.	1.5	6
10	Culture-Independent Survey of Thermophilic Microbial Communities of the North Caucasus. <i>Biology</i> , 2021, 10, 1352.	1.3	13
11	Microbial associations of shallow-water Mediterranean marine cave <i>Solenogastres</i> (Mollusca). <i>PeerJ</i> , 2021, 9, e12655.	0.9	12
12	<i>Tenuifilum thalassicum</i> gen. nov., sp. nov., a novel moderate thermophilic anaerobic bacterium from a Kunashir Island shallow hot spring representing a new family Tenuifilaceae fam. nov. in the class Bacteroidia. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126126.	1.2	22
13	Hot in Cold: Microbial Life in the Hottest Springs in Permafrost. <i>Microorganisms</i> , 2020, 8, 1308.	1.6	12
14	Data on draft genome sequence of <i>Caldanaerobacter</i> sp. strain 1523vc, a thermophilic bacterium, isolated from a hot spring of Uzon Caldera, (Kamchatka, Russia). <i>Data in Brief</i> , 2020, 33, 106336.	0.5	2
15	The first crenarchaeon capable of growth by anaerobic carbon monoxide oxidation coupled with H ₂ production. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126064.	1.2	7
16	<i>Tepidiforma bonchosmolovskayae</i> gen. nov., sp. nov., a moderately thermophilic Chloroflexi bacterium from a Chukotka hot spring (Arctic, Russia), representing a novel class, Tepidiformia, which includes the previously uncultivated lineage OLB14. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1192-1202.	0.8	44
17	<i>Arenimonas fontis</i> sp. nov., a bacterium isolated from Chukotka hot spring, Arctic region, Russia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 2726-2731.	0.8	7
18	Complete Genome Sequence of a Hyperthermophilic Archaeon, <i>Thermosphaera</i> sp. Strain 3507, Isolated from a Chilean Hot Spring. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	2

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19	Isachenkonkia alkalipeptolytica gen. nov. sp. nov., a new anaerobic, alkaliphilic proteolytic bacterium capable of reducing Fe(III) and sulfur. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 4730-4738.	0.8	10
20	Draft genome sequence data of Bifidobacterium longum strain VKPM Ac-1636, a prospective probiotic isolated from human gut. Data in Brief, 2019, 25, 103847.	0.5	0
21	Microbial Communities of Polymetallic Deposits™ Acidic Ecosystems of Continental Climatic Zone With High Temperature Contrasts. Frontiers in Microbiology, 2019, 10, 1573.	1.5	34
22	Genomic Insights into the Carbon and Energy Metabolism of a Thermophilic Deep-Sea Bacterium Deferribacter autotrophicus Revealed New Metabolic Traits in the Phylum Deferribacteres. Genes, 2019, 10, 849.	1.0	17
23	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.	3.3	32
24	The Metabolism of Thermophilic Hydrolytic Bacterium Thauera hydrothermalis Strain par-f-2 Isolated from the West Siberian Subsurface Biosphere. Microbiology, 2019, 88, 556-562.	0.5	0
25	Archaea dominate the microbial community in an ecosystem with low-to-moderate temperature and extreme acidity. Microbiome, 2019, 7, 11.	4.9	58
26	Diversity of <i>Ca. Micrarchaeota</i> in Two Distinct Types of Acidic Environments and Their Associations with Thermoplasmatales. Genes, 2019, 10, 461.	1.0	27
27	Data on draft genome sequence of Bacillus sp. strain VKPM B-3276 isolated from Culex pipiens larvae. Data in Brief, 2019, 24, 103757.	0.5	3
28	Genomic analysis of the mesophilic Thermotogae genus <i>Mesotoga</i> reveals phylogeographic structure and genomic determinants of its distinct metabolism. Environmental Microbiology, 2019, 21, 456-470.	1.8	28
29	Natrarchaeobius chitinivorans gen. nov., sp. nov., and Natrarchaeobius halalkaliphilus sp. nov., alkaliphilic, chitin-utilizing haloarchaea from hypersaline alkaline lakes. Systematic and Applied Microbiology, 2019, 42, 309-318.	1.2	31
30	Novel Hyperthermophilic Crenarchaeon Thermofilum adornatum sp. nov. Uses GH1, GH3, and Two Novel Glycosidases for Cellulose Hydrolysis. Frontiers in Microbiology, 2019, 10, 2972.	1.5	19
31	Halococcoides cellulovorans gen. nov., sp. nov., an extremely halophilic cellulose-utilizing haloarchaeon from hypersaline lakes. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1327-1335.	0.8	22
32	Tautonia sociabilis gen. nov., sp. nov., a novel thermotolerant planctomycete, isolated from a 4000 m deep subterranean habitat. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2299-2304.	0.8	24
33	Natronobiforma cellulositropha gen. nov., sp. nov., a novel haloalkaliphilic member of the family Natrialbaeaceae (class Halobacteria) from hypersaline alkaline lakes. Systematic and Applied Microbiology, 2018, 41, 355-362.	1.2	35
34	Thermosipho spp. immune system differences affect variation in genome size and geographical distributions. Genome Biology and Evolution, 2018, 10, 2853-2866.	1.1	4
35	Members of the Uncultured Taxon OP1 (<i>Ca. Acetothermia</i>) Predominate in the Microbial Community of an Alkaline Hot Spring at East-Tuvian Upland. Microbiology, 2018, 87, 783-795.	0.5	6
36	Phenotypic and Genomic Properties of a Novel Deep-Lineage Haloalkaliphilic Member of the Phylum Balneolaeota From Soda Lakes Possessing Na ⁺ -Translocating Proteorhodopsin. Frontiers in Microbiology, 2018, 9, 2672.	1.5	29

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37	Discovering novel hydrolases from hot environments. <i>Biotechnology Advances</i> , 2018, 36, 2077-2100.	6.0	38
38	New thermophilic prokaryotes with hydrolytic activities. <i>Microbiology Australia</i> , 2018, 39, 122.	0.1	3
39	Genomic Insights Into Energy Metabolism of <i>Carboxydocella thermautotrophica</i> Coupling Hydrogenogenic CO Oxidation With the Reduction of Fe(III) Minerals. <i>Frontiers in Microbiology</i> , 2018, 9, 1759.	1.5	23
40	<i>Desulfothermobacter acidiphilus</i> gen. nov., sp. nov., a thermoacidophilic sulfate-reducing bacterium isolated from a terrestrial hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 871-875.	0.8	14
41	Discovery of an anaerobic lithoheterotrophic haloarchaea, ubiquitous in hypersaline habitats. <i>ISME Journal</i> , 2017, 11, 1245-1260.	4.4	79
42	Analysis of chitinase diversity in the Baltic Sea bottom sediments. <i>Microbiology</i> , 2017, 86, 150-154.	0.5	3
43	Production of organic matter and diversity of the ribulose biphosphate carboxylase genes in sediments of the Solnechny Spring, Uzon Caldera, Kamchatka. <i>Microbiology</i> , 2017, 86, 666-669.	0.5	1
44	ARMAN™ archaea depend on association with euryarchaeal host in culture and in situ. <i>Nature Communications</i> , 2017, 8, 60.	5.8	116
45	Genomic Analysis of <i>Caldithrix abyssi</i> , the Thermophilic Anaerobic Bacterium of the Novel Bacterial Phylum <i>Calditrichaeota</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 195.	1.5	66
46	Respiratory Pathways Reconstructed by Multi-Omics Analysis in <i>Melioribacter roseus</i> , Residing in a Deep Thermal Aquifer of the West-Siberian Megabasin. <i>Frontiers in Microbiology</i> , 2017, 8, 1228.	1.5	13
47	Sugar Metabolism of the First Thermophilic Planctomycete <i>Thermogutta terrifontis</i> : Comparative Genomic and Transcriptomic Approaches. <i>Frontiers in Microbiology</i> , 2017, 8, 2140.	1.5	29
48	<i>Sporosalibacterium tautonense</i> sp. nov., a thermotolerant, halophilic, hydrolytic bacterium isolated from a gold mine, and emended description of the genus <i>Sporosalibacterium</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1457-1461.	0.8	9
49	<i>Calorithrix insularis</i> gen. nov., sp. nov., a novel representative of the phylum <i>Calditrichaeota</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1486-1490.	0.8	27
50	<i>Thermodesulfobium acidiphilum</i> sp. nov., a thermoacidophilic, sulfate-reducing, chemoautotrophic bacterium from a thermal site. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1482-1485.	0.8	37
51	<i>Natronospira proteinivora</i> gen. nov., sp. nov., an extremely salt-tolerant, alkaliphilic gammaproteobacterium from hypersaline soda lakes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2604-2608.	0.8	17
52	<i>Natronotalea proteinilytica</i> gen. nov., sp. nov. and <i>Longimonas haloalkaliphila</i> sp. nov., extremely haloalkaliphilic members of the phylum <i>Rhodothermaeota</i> from hypersaline alkaline lakes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4161-4167.	0.8	30
53	Diversity of cultivated aerobic poly-hydrolytic bacteria in saline alkaline soils. <i>PeerJ</i> , 2017, 5, e3796.	0.9	9
54	The novel extremely acidophilic, cell-wall-deficient archaeon <i>Cuniculiplasma divulgatum</i> gen. nov., sp. nov. represents a new family, <i>Cuniculiplasmataceae</i> fam. nov., of the order <i>Thermoplasmatales</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 332-340.	0.8	96

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55	Isolation and Characterization of the First Xylanolytic Hyperthermophilic Euryarchaeon <i>Thermococcus</i> sp. Strain 2319x1 and Its Unusual Multidomain Glycosidase. <i>Frontiers in Microbiology</i> , 2016, 7, 552.	1.5	27
56	Metagenomic mining for thermostable esterolytic enzymes uncovers a new family of bacterial esterases. <i>Scientific Reports</i> , 2016, 6, 38886.	1.6	53
57	Biology of archaea from a novel family Cuniculiplasmataceae (Thermoplasmata) ubiquitous in hyperacidic environments. <i>Scientific Reports</i> , 2016, 6, 39034.	1.6	31
58	Complete genome sequence of <i>Halanaeroarchaeum sulfurireducens</i> ™ M27-SA2, a sulfur-reducing and acetate-oxidizing haloarchaeon from the deep-sea hypersaline anoxic lake Medee. <i>Standards in Genomic Sciences</i> , 2016, 11, 35.	1.5	15
59	Elemental sulfur and acetate can support life of a novel strictly anaerobic haloarchaeon. <i>ISME Journal</i> , 2016, 10, 240-252.	4.4	62
60	Reclassification of <i>Desulfurococcus mobilis</i> as a synonym of <i>Desulfurococcus mucosus</i> , <i>Desulfurococcus fermentans</i> and <i>Desulfurococcus kamchatkensis</i> as synonyms of <i>Desulfurococcus amylolyticus</i> , and emendation of the <i>D. mucosus</i> and <i>D. amylolyticus</i> species descriptions. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 514-517.	0.8	16
61	<i>Thermogladus calderae</i> gen. nov., sp. nov., an anaerobic, hyperthermophilic crenarchaeote from a Kamchatka hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 1407-1412.	0.8	19
62	<i>Halanaeroarchaeum sulfurireducens</i> gen. nov., sp. nov., the first obligately anaerobic sulfur-respiring haloarchaeon, isolated from a hypersaline lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2377-2381.	0.8	49
63	<i>Tepidibacillus infernus</i> sp. nov., a moderately thermophilic, selenate- and arsenate-respiring hydrolytic bacterium isolated from a gold mine, and emended description of the genus <i>Tepidibacillus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3189-3194.	0.8	16
64	Halo(natrono)archaea isolated from hypersaline lakes utilize cellulose and chitin as growth substrates. <i>Frontiers in Microbiology</i> , 2015, 6, 942.	1.5	59
65	Complete genome sequence of and proposal of <i>Thermofilum uzonense</i> sp. nov. a novel hyperthermophilic crenarchaeon and emended description of the genus <i>Thermofilum</i> . <i>Standards in Genomic Sciences</i> , 2015, 10, 122.	1.5	23
66	Diversity of copper proteins and copper homeostasis systems in <i>Melioribacter roseus</i> , a facultatively anaerobic thermophilic member of the new phylum Ignavibacteriae. <i>Microbiology</i> , 2015, 84, 135-143.	0.5	4
67	Genomic Analysis of Pure Cultures and Communities. <i>Springer Protocols</i> , 2015, , 5-27.	0.1	16
68	Diversity of hydrolases from hydrothermal vent sediments of the Levante Bay, Vulcano Island (Aeolian) Tj ETQq0 0 0 rgBT /Overlock 10 T esterases and an arabinopyranosidase. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10031-10046.	1.7	36
69	Evidence for extensive gene flow and <i>Thermotoga</i> subpopulations in subsurface and marine environments. <i>ISME Journal</i> , 2015, 9, 1532-1542.	4.4	36
70	The <i>Geoglobus acetivorans</i> Genome: Fe(III) Reduction, Acetate Utilization, Autotrophic Growth, and Degradation of Aromatic Compounds in a Hyperthermophilic Archaeon. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1003-1012.	1.4	46
71	Capacity of hyperthermophilic Crenarchaeota for decomposition of refractory proteins (± and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.5	1
72	<i>Mobilitalea sibirica</i> gen. nov., sp. nov., a halotolerant polysaccharide-degrading bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2657-2661.	0.8	61

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73	Analysis of the complete genome of <i>Fervidococcus fontis</i> confirms the distinct phylogenetic position of the order Fervidococcales and suggests its environmental function. <i>Extremophiles</i> , 2014, 18, 295-309.	0.9	15
74	<i>Thermosiphon activus</i> sp. nov., a thermophilic, anaerobic, hydrolytic bacterium isolated from a deep-sea sample. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3307-3313.	0.8	17
75	<i>Ornatilinea apprima</i> gen. nov., sp. nov., a cellulolytic representative of the class Anaerolineae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 86-92.	0.8	120
76	Characterization of <i>Melioribacter roseus</i> gen. nov., sp. nov., a novel facultatively anaerobic thermophilic cellulolytic bacterium from the class <i>Ignavibacteria</i> , and a proposal of a novel bacterial phylum <i>Ignavibacteriia</i> . <i>Environmental Microbiology</i> , 2013, 15, 1759-1771.	1.8	228
77	<i>Brockia lithotrophica</i> gen. nov., sp. nov., an anaerobic thermophilic bacterium from a terrestrial hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 479-483.	0.8	29
78	Complete Genome Sequence of <i>Salinarchaeum</i> sp. Strain HArchT-Bsk1 ^T , Isolated from Hypersaline Lake Baskunchak, Russia. <i>Genome Announcements</i> , 2013, 1, .	0.8	9
79	Complete Genomic Sequence of <i>Thermofilum adornatus</i> Strain 1910b ^T , a Hyperthermophilic Anaerobic Organotrophic Crenarchaeon. <i>Genome Announcements</i> , 2013, 1, .	0.8	10
80	Genomic Analysis of <i>Melioribacter roseus</i> , Facultatively Anaerobic Organotrophic Bacterium Representing a Novel Deep Lineage within Bacteroidetes/Chlorobi Group. <i>PLoS ONE</i> , 2013, 8, e53047.	1.1	68
81	<i>Thermosiphon affectus</i> sp. nov., a thermophilic, anaerobic, cellulolytic bacterium isolated from a Mid-Atlantic Ridge hydrothermal vent. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1160-1164.	0.8	27
82	<i>Fervidobacterium riparium</i> sp. nov., a thermophilic anaerobic cellulolytic bacterium isolated from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 2697-2701.	0.8	40
83	<i>Fervidococcus fontis</i> gen. nov., sp. nov., an anaerobic, thermophilic crenarchaeote from terrestrial hot springs, and proposal of Fervidococcaceae fam. nov. and Fervidococcales ord. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2082-2088.	0.8	50
84	<i>Caldanaerobacter uzonensis</i> sp. nov., an anaerobic, thermophilic, heterotrophic bacterium isolated from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1372-1375.	0.8	18
85	Complete Genome Sequence of the Anaerobic, Protein-Degrading Hyperthermophilic Crenarchaeon <i>Desulfurococcus kamchatkensis</i> . <i>Journal of Bacteriology</i> , 2009, 191, 2371-2379.	1.0	36
86	<i>Desulfurococcus kamchatkensis</i> sp. nov., a novel hyperthermophilic protein-degrading archaeon isolated from a Kamchatka hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 1743-1747.	0.8	37
87	Biodiversity of Thermophilic Prokaryotes with Hydrolytic Activities in Hot Springs of Uzon Caldera, Kamchatka (Russia). <i>Applied and Environmental Microbiology</i> , 2009, 75, 286-291.	1.4	101
88	Keratinase of an anaerobic thermophilic bacterium <i>Thermoanaerobacter</i> sp. Strain 1004-09 isolated from a hot spring in the Baikal rift zone. <i>Microbiology</i> , 2009, 78, 67-75.	0.5	17
89	Determination of complete nucleotide sequence of the genome of hyperthermophilic microorganism. <i>Doklady Biochemistry and Biophysics</i> , 2008, 421, 204-206.	0.3	0
90	<i>Caldicellulosiruptor kronotskyensis</i> sp. nov. and <i>Caldicellulosiruptor hydrothermalis</i> sp. nov., two extremely thermophilic, cellulolytic, anaerobic bacteria from Kamchatka thermal springs. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1492-1496.	0.8	70

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91	<i>Thermoanaerobacterium aciditolerans</i> sp. nov., a moderate thermoacidophile from a Kamchatka hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 260-264.	0.8	34
92	Cultivated anaerobic acidophilic/acidotolerant thermophiles from terrestrial and deep-sea hydrothermal habitats. <i>Extremophiles</i> , 2005, 9, 437-448.	0.9	46
93	<i>Desulfurococcus fermentans</i> sp. nov., a novel hyperthermophilic archaeon from a Kamchatka hot spring, and emended description of the genus <i>Desulfurococcus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 995-999.	0.8	58
94	Oligonucleotide Probes for the Detection of Representatives of the Genus <i>Thermoanaerobacter</i> . <i>Microbiology</i> , 2003, 72, 331-339.	0.5	9