

Rustam I Aminov

List of Publications by Year in descending order

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103
papers

11,059
citations

57758

44
h-index

39675

94
g-index

108
all docs

108
docs citations

108
times ranked

13116
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial drug resistance mechanisms among Mollicutes. International Journal of Antimicrobial Agents, 2021, 57, 106253.	2.5	10
2	Acquisition and Spread of Antimicrobial Resistance: A tet(X) Case Study. International Journal of Molecular Sciences, 2021, 22, 3905.	4.1	20
3	Editorial: Antimicrobials in Wildlife and the Environment. Frontiers in Microbiology, 2021, 12, 783118.	3.5	0
4	Extended-Spectrum β -Lactamases in Human Isolates of Multidrug-Resistant Non-typhoidal Salmonella enterica. Frontiers in Microbiology, 2020, 11, 592223.	3.5	10
5	Potential Involvement of Salmonella Infection in Autoimmunity. Pathogens, 2019, 8, 96.	2.8	6
6	Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody Formation. Frontiers in Immunology, 2019, 10, 1609.	4.8	39
7	Editorial: Shaping of Human Immune System and Metabolic Processes by Viruses and Microorganisms. Frontiers in Microbiology, 2019, 10, 816.	3.5	11
8	Omics of antimicrobials and antimicrobial resistance. Expert Opinion on Drug Discovery, 2019, 14, 455-468.	5.0	46
9	Validation of a Bioinformatics Workflow for Routine Analysis of Whole-Genome Sequencing Data and Related Challenges for Pathogen Typing in a European National Reference Center: Neisseria meningitidis as a Proof-of-Concept. Frontiers in Microbiology, 2019, 10, 362.	3.5	51
10	Bacteriophage therapy: coping with the growing antibiotic resistance problem. Microbiology Australia, 2019, 40, 5.	0.4	9
11	Antimicrobial resistance in mollicutes: known and newly emerging mechanisms. FEMS Microbiology Letters, 2018, 365, .	1.8	24
12	Silk Route to the Acceptance and Re-Implementation of Bacteriophage Therapyâ€”Part II. Antibiotics, 2018, 7, 35.	3.7	46
13	Antimicrobial drug discovery: lessons of history and future strategies. Expert Opinion on Drug Discovery, 2018, 13, 983-985.	5.0	17
14	Analysis of evolving lysogenized products of spontaneous zygogenesis in <i>Escherichia coli</i> . FEMS Microbiology Letters, 2017, 364, fnw290.	1.8	2
15	History of antimicrobial drug discovery: Major classes and health impact. Biochemical Pharmacology, 2017, 133, 4-19.	4.4	184
16	Application of bacteriophages. Microbiology Australia, 2017, 38, 63.	0.4	18
17	Editorial: Microbial and Environmental Factors in Autoimmune and Inflammatory Diseases. Frontiers in Immunology, 2017, 8, 243.	4.8	20
18	Human Gut Symbiont Roseburia hominis Promotes and Regulates Innate Immunity. Frontiers in Immunology, 2017, 8, 1166.	4.8	128

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19	Potential Effects of Horizontal Gene Exchange in the Human Gut. <i>Frontiers in Immunology</i> , 2017, 8, 1630.	4.8	140
20	Transglutaminases in Dysbiosis As Potential Environmental Drivers of Autoimmunity. <i>Frontiers in Microbiology</i> , 2017, 8, 66.	3.5	52
21	Editorial: Phage Therapy: Past, Present and Future. <i>Frontiers in Microbiology</i> , 2017, 8, 981.	3.5	163
22	Dysbiosis May Trigger Autoimmune Diseases via Inappropriate Post-Translational Modification of Host Proteins. <i>Frontiers in Microbiology</i> , 2016, 7, 84.	3.5	79
23	Update on Pyrin Functions and Mechanisms of Familial Mediterranean Fever. <i>Frontiers in Microbiology</i> , 2016, 7, 456.	3.5	67
24	Systemic Concentrations of Short Chain Fatty Acids Are Elevated in Salmonellosis and Exacerbation of Familial Mediterranean Fever. <i>Frontiers in Microbiology</i> , 2016, 7, 776.	3.5	40
25	Silk route to the acceptance and reimplementation of bacteriophage therapy. <i>Biotechnology Journal</i> , 2016, 11, 595-600.	3.5	54
26	Differential induction of total IgE by two <i>Salmonella enterica</i> serotypes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 43.	3.9	5
27	Accelerated Apoptosis of Neutrophils in Familial Mediterranean Fever. <i>Frontiers in Immunology</i> , 2015, 6, 239.	4.8	10
28	Mechanisms of antibiotic resistance. <i>Frontiers in Microbiology</i> , 2015, 6, 34.	3.5	150
29	Complete Genome Sequence of the Human Gut Symbiont <i>Roseburia hominis</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	8
30	Structure and Function of a Nonruminant Gut: A Porcine Model. , 2015, , 47-75.		8
31	Low-dose antibiotics: current status and outlook for the future. <i>Frontiers in Microbiology</i> , 2014, 5, 478.	3.5	15
32	Role and prevalence of antibiosis and the related resistance genes in the environment. <i>Frontiers in Microbiology</i> , 2014, 5, 520.	3.5	16
33	P-005: Mechanism of action of potential live biotherapeutics for the treatment of inflammatory bowel disease. <i>Journal of Crohn's and Colitis</i> , 2014, 8, S395.	1.3	0
34	MULTIDRUG-RESISTANCE AND PRESENCE OF CLASS 1 INTEGRONS IN CLINICAL ISOLATES OF <i>SALMONELLA ENTERICA</i> SEROTYPE ENTERITIDIS, CIRCULATING IN ARMENIA. <i>Russian Journal of Infection and Immunity</i> , 2014, 3, 355.	0.7	7
35	Segmented filamentous bacteria are a major group in terminal ileum of piglets. <i>Anaerobe</i> , 2013, 23, 109-111.	2.1	8
36	Management of familial Mediterranean fever by colchicine does not normalize the altered profile of microbial long chain fatty acids in the human metabolome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 2.	3.9	9

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37	Evolution in action: dissemination of tet(X) into pathogenic microbiota. <i>Frontiers in Microbiology</i> , 2013, 4, 192.	3.5	36
38	Biotic acts of antibiotics. <i>Frontiers in Microbiology</i> , 2013, 4, 241.	3.5	32
39	Role of archaea in human disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 42.	3.9	37
40	Inflammatory Responses to Salmonella Infections Are Serotype-Specific. <i>International Journal of Bacteriology</i> , 2013, 2013, 1-7.	1.0	6
41	Restricting Microbial Exposure in Early Life Negates the Immune Benefits Associated with Gut Colonization in Environments of High Microbial Diversity. <i>PLoS ONE</i> , 2011, 6, e28279.	2.5	118
42	Establishment of Normal Gut Microbiota Is Compromised under Excessive Hygiene Conditions. <i>PLoS ONE</i> , 2011, 6, e28284.	2.5	120
43	Horizontal Gene Exchange in Environmental Microbiota. <i>Frontiers in Microbiology</i> , 2011, 2, 158.	3.5	475
44	Molecular Ecology Of Macrolideâ€“Lincosamideâ€“Streptogramin B Methylases in Waste Lagoons and Subsurface Waters Associated with Swine Production. <i>Microbial Ecology</i> , 2010, 59, 487-498.	2.8	59
45	Fermented liquid feed enhances bacterial diversity in piglet intestine. <i>Anaerobe</i> , 2010, 16, 6-11.	2.1	22
46	A Brief History of the Antibiotic Era: Lessons Learned and Challenges for the Future. <i>Frontiers in Microbiology</i> , 2010, 1, 134.	3.5	980
47	Comparative analysis of cytokine profiles in autoinflammatory and autoimmune conditions. <i>Cytokine</i> , 2010, 50, 146-151.	3.2	14
48	Profiles of Microbial Fatty Acids in the Human Metabolome are Disease-Specific. <i>Frontiers in Microbiology</i> , 2010, 1, 148.	3.5	25
49	Tetracycline Resistome of the Organic Pig Gut. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1717-1722.	3.1	83
50	Environmentally-acquired bacteria influence microbial diversity and natural innate immune responses at gut surfaces. <i>BMC Biology</i> , 2009, 7, 79.	3.8	228
51	The role of antibiotics and antibiotic resistance in nature. <i>Environmental Microbiology</i> , 2009, 11, 2970-2988.	3.8	490
52	Fate and Transport of Antibiotic Residues and Antibiotic Resistance Genes following Land Application of Manure Waste. <i>Journal of Environmental Quality</i> , 2009, 38, 1086-1108.	2.0	664
53	Gut Health, Microbiota and Immunity. <i>Recent Advances in Animal Nutrition</i> , 2009, 2008, 195-210.	0.1	1
54	Cytokine profile of Armenian patients with Familial Mediterranean fever. <i>Clinical Biochemistry</i> , 2008, 41, 920-922.	1.9	58

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55	Predominant Role of Host Genetics in Controlling the Composition of Gut Microbiota. PLoS ONE, 2008, 3, e3064.	2.5	263
56	Elevated Systemic Antibodies towards Commensal Gut Microbiota in Autoinflammatory Condition. PLoS ONE, 2008, 3, e3172.	2.5	27
57	Monitoring and Source Tracking of Tetracycline Resistance Genes in Lagoons and Groundwater Adjacent to Swine Production Facilities over a 3-Year Period. Applied and Environmental Microbiology, 2007, 73, 4813-4823.	3.1	258
58	Evolution and ecology of antibiotic resistance genes. FEMS Microbiology Letters, 2007, 271, 147-161.	1.8	414
59	Influence of high temperature and humidity on rumen bacterial diversity in Holstein heifers. Anaerobe, 2007, 13, 57-64.	2.1	128
60	Importance of microbial colonization of the gut in early life to the development of immunity. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 622, 58-69.	1.0	190
61	Tetracycline Residues and Tetracycline Resistance Genes in Groundwater Impacted by Swine Production Facilities. Animal Biotechnology, 2006, 17, 157-176.	1.5	156
62	A novel class of CoA-transferase involved in short-chain fatty acid metabolism in butyrate-producing human colonic bacteria. Microbiology (United Kingdom), 2006, 152, 179-185.	1.8	76
63	Molecular Diversity, Cultivation, and Improved Detection by Fluorescent In Situ Hybridization of a Dominant Group of Human Gut Bacteria Related to Roseburia spp. or Eubacterium rectale. Applied and Environmental Microbiology, 2006, 72, 6371-6376.	3.1	113
64	Proposal of Roseburia faecis sp. nov., Roseburia hominis sp. nov. and Roseburia inulinivorans sp. nov., based on isolates from human faeces. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2437-2441.	1.7	200
65	Commensal gut bacteria: mechanisms of immune modulation. Trends in Immunology, 2005, 26, 326-333.	6.8	341
66	16S/18S ribosomal DNA clone library analysis of rumen microbial diversity. , 2005, , 163-174.		3
67	Detection of Tetracycline Resistance Genes by PCR Methods. , 2004, 268, 003-014.		12
68	Biochemical and Microbiological Evidence for Fermentative Digestion in Free-Living Land Iguanas (Conolophus pallidus) and Marine Iguanas (Amblyrhynchus cristatus) on the Galápagos Archipelago. Physiological and Biochemical Zoology, 2004, 77, 127-138.	1.5	58
69	Characterization of the gene encoding glutamate dehydrogenase (gdhA) from the ruminal bacterium Ruminococcus flavefaciens FD-1. Archives of Microbiology, 2003, 179, 184-190.	2.2	13
70	Ecology of Uncultivated Oscillospira Species in the Rumen of Cattle, Sheep, and Reindeer as Assessed by Microscopy and Molecular Approaches. Applied and Environmental Microbiology, 2003, 69, 6808-6815.	3.1	137
71	Oligonucleotide Probes That Detect Quantitatively Significant Groups of Butyrate-Producing Bacteria in Human Feces. Applied and Environmental Microbiology, 2003, 69, 4320-4324.	3.1	284
72	Comparative Microbial Diversity in the Gastrointestinal Tracts of Food Animal Species. Integrative and Comparative Biology, 2002, 42, 327-331.	2.0	13

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73	Development, Validation, and Application of PCR Primers for Detection of Tetracycline Efflux Genes of Gram-Negative Bacteria. Applied and Environmental Microbiology, 2002, 68, 1786-1793.	3.1	223
74	Molecular cloning, nucleotide sequence and characteristics of a xylanase gene (xyn A) from Ruminococcus albus 7. Animal Science Journal, 2002, 73, 347-352.	1.4	13
75	Occurrence and Diversity of Tetracycline Resistance Genes in Lagoons and Groundwater Underlying Two Swine Production Facilities. Applied and Environmental Microbiology, 2001, 67, 1494-1502.	3.1	674
76	Diet-Dependent Shifts in the Bacterial Population of the Rumen Revealed with Real-Time PCR. Applied and Environmental Microbiology, 2001, 67, 2766-2774.	3.1	592
77	Molecular Ecology of Tetracycline Resistance: Development and Validation of Primers for Detection of Tetracycline Resistance Genes Encoding Ribosomal Protection Proteins. Applied and Environmental Microbiology, 2001, 67, 22-32.	3.1	547
78	Analysis of the Rumen Bacterial Diversity under two Different Diet Conditions using Denaturing Gradient Gel Electrophoresis, Random Sequencing, and Statistical Ecology Approaches. Anaerobe, 2001, 7, 119-134.	2.1	173
79	Phylogenetic analysis of archaeal 16S rRNA libraries from the rumen suggests the existence of a novel group of archaea not associated with known methanogens. FEMS Microbiology Letters, 2001, 200, 67-72.	1.8	165
80	Phylogenetic analysis of archaeal 16S rRNA libraries from the rumen suggests the existence of a novel group of archaea not associated with known methanogens. FEMS Microbiology Letters, 2001, 200, 67-72.	1.8	9
81	Cloning, Expression, and Characterization of a Cellulase Gene from Prevotella ruminicola. Nihon Chikusan Gakkaiho, 2001, 72, 421-426.	0.2	0
82	Desulfotomaculum genus- and subgenus-specific 16S rRNA hybridization probes for environmental studies. Environmental Microbiology, 2000, 2, 143-159.	3.8	43
83	Unravelling the genetic diversity of ruminal bacteria belonging to the CFB phylum. FEMS Microbiology Ecology, 2000, 33, 69-79.	2.7	97
84	Rumen Bacterial Community Transition During Adaptation to High-grain Diet. Anaerobe, 2000, 6, 273-284.	2.1	243
85	Phenotypic Characterization of Polysaccharidases Produced by Four Prevotella Type Strains. Current Microbiology, 2000, 41, 45-49.	2.2	131
86	Molecular Ecological Analysis of the Succession and Diversity of Sulfate-Reducing Bacteria in the Mouse Gastrointestinal Tract. Applied and Environmental Microbiology, 2000, 66, 2166-2174.	3.1	140
87	Unravelling the genetic diversity of ruminal bacteria belonging to the CFB phylum. FEMS Microbiology Ecology, 2000, 33, 69-79.	2.7	16
88	A small cryptic plasmid from Ruminobacter amylophilus NIAH-3 possesses functional mobilization properties. FEMS Microbiology Letters, 1999, 181, 41-48.	1.8	10
89	Rumen bacterial diversity as determined by sequence analysis of 16S rDNA libraries. FEMS Microbiology Ecology, 1999, 29, 159-169.	2.7	247
90	Sequence Analysis of Small Cryptic Plasmids Isolated from Selenomonas ruminantium S20. Current Microbiology, 1999, 38, 107-112.	2.2	14

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91	Construction of <i>Prevotella ruminicola</i> - <i>Escherichia coli</i> shuttle vector pRAM45 and transformation of <i>P. ruminicola</i> strains by electroporation. <i>Journal of Bioscience and Bioengineering</i> , 1999, 88, 316-318.	2.2	7
92	Molecular Analysis of Archaea, Bacteria and Eucarya Communities in the Rumen - Review -. <i>Asian-Australasian Journal of Animal Sciences</i> , 1999, 12, 129-138.	2.4	19
93	A small cryptic plasmid from <i>Ruminobacter amylophilus</i> NIAH-3 possesses functional mobilization properties. <i>FEMS Microbiology Letters</i> , 1999, 181, 41-48.	1.8	0
94	Transcriptional Regulation of the <i>Prevotella ruminicola</i> <i>recA</i> Gene. <i>Current Microbiology</i> , 1998, 36, 259-265.	2.2	6
95	Method for Preparation of RNA from <i>Ruminococcus albus</i> . <i>BioTechniques</i> , 1997, 22, 406-408.	1.8	3
96	Construction of a <i>Fibrobacter succinogenes</i> Genomic Map and Demonstration of Diversity at the Genomic Level. <i>Current Microbiology</i> , 1997, 35, 22-27.	2.2	11
97	Erratum to "Cloning, sequencing and complementation analysis of the <i>recA</i> gene from <i>Prevotella ruminicola</i> " [FEMS Microbiol. Lett. 144 (1996) 53-59]1. <i>FEMS Microbiology Letters</i> , 1996, 145, 473.	1.8	0
98	Structural Organization of pRAM4, a Cryptic Plasmid from <i>Prevotella ruminicola</i> . <i>Plasmid</i> , 1996, 35, 91-97.	1.4	18
99	Cloning, sequencing and complementation analysis of the <i>recA</i> gene from <i>Prevotella ruminicola</i> . <i>FEMS Microbiology Letters</i> , 1996, 144, 53-59.	1.8	6
100	Expression of a <i>celE</i> gene from <i>Clostridium thermocellum</i> in <i>Bacillus</i> . <i>Journal of Bioscience and Bioengineering</i> , 1995, 79, 530-537.	0.9	9
101	Enumeration of transconjugated <i>Ruminococcus albus</i> and its survival in the goat rumen microcosm. <i>Applied and Environmental Microbiology</i> , 1995, 61, 2030-2032.	3.1	16
102	Construction of genetically marked <i>Ruminococcus albus</i> strains and conjugal transfer of plasmid pAM121 into them. <i>Journal of Bioscience and Bioengineering</i> , 1994, 78, 1-5.	0.9	12
103	Antibiotic Resistance and Occurrence of Class 1 Integrins in Clinical Isolates of <i>Salmonella enterica</i> . <i>Global Journal of Immunology and Allergic Diseases</i> , 0, , .	0.7	1