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List of Publications by Year
in descending order

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52 papers	1,267 citations	430874 18 h-index	361022 35 g-index
54 all docs	54 docs citations	54 times ranked	1810 citing authors

#	Article	IF	Citations
1	The Effect of Volatile Organic Compounds on Different Organisms: Agrobacteria, Plants and Insects. Microorganisms, 2022, 10, 69.	3.6	14
2	Peculiarities of the SprIR Quorum Sensing System of Serratia proteamaculans 94 and Its Involvement in Regulation of Cellular Processes. Russian Journal of Genetics, 2021, 57, 161-172.	0.6	1
3	Modulation of Arabidopsis thaliana growth by volatile substances emitted by Pseudomonas and Serratia strains. World Journal of Microbiology and Biotechnology, 2021, 37, 82.	3.6	10
4	The Mode of Action of Cyclic Monoterpenes (â˜')-Limonene and (+)-Î±-Pinene on Bacterial Cells. Biomolecules, 2021, 11, 806.	4.0	12
5	Invasion of Serratia proteamaculans is regulated by the sprI gene encoding AHL synthase. Microbes and Infection, 2021, 23, 104852.	1.9	3
6	The Role of SprIR Quorum Sensing System in the Regulation of Serratia proteamaculans 94 Invasion. Microorganisms, 2021, 9, 2082.	3.6	2
7	New Evidence for Ag-Sputtered Materials Inactivating Bacteria by Surface Contact without the Release of Ag Ions: End of a Long Controversy?. ACS Applied Materials & Interfaces, 2020, 12, 4998-5007.	8.0	10
8	Four New Genes of Cyanobacterium Synechococcus elongatus PCC 7942 Are Responsible for Sensitivity to 2-Nonanone. Microorganisms, 2020, 8, 1234.	3.6	0
9	Effects of Volatile Organic Compounds Synthesized by Bacteria on the Expression from Promoters of the zntA, copA, and arsR Genes Induced in Response to Copper, Zinc, and Arsenic. Molecular Genetics, Microbiology and Virology, 2020, 35, 152-158.	0.3	0
10	Plant-Microbial Interactions Involving Quorum Sensing Regulation. Microbiology, 2019, 88, 523-533.	1.2	10
11	Volatile Compounds of Bacterial Origin: Structure, Biosynthesis, and Biological Activity. Microbiology, 2019, 88, 261-274.	1.2	45
12	Inhibition of cyanobacterial photosynthetic activity by natural ketones. Journal of Phycology, 2019, 55, 840-857.	2.3	10
13	Femtosecond Spectroscopy of Au Hot-Electron Injection into TiO2: Evidence for Au/TiO2 Plasmon Photocatalysis by Bactericidal Au Ions and Related Phenomena. Nanomaterials, 2019, 9, 217.	4.1	25
14	SprI/SprR Quorum Sensing System ofSerratia proteamaculans94. BioMed Research International, 2019, 2019, 1-10.	1.9	4
15	Effect of inactivation of luxS gene on the properties of Serratia proteamaculans 94 strain. Folia Microbiologica, 2019, 64, 265-272.	2.3	3
16	Synthesis of Silver Nanoparticles with the use of Herbaceous Plant Extracts and Effect of Nanoparticles on Bacteria. Applied Biochemistry and Microbiology, 2018, 54, 816-823.	0.9	4
17	Ketones 2-heptanone, 2-nonanone, and 2-undecanone inhibit DnaK-dependent refolding of heat-inactivated bacterial luciferases in Escherichia coli cells lacking small chaperon IbpB. Applied Microbiology and Biotechnology, 2017, 101, 5765-5771.	3.6	20
18	Influence of volatile organic compounds emitted by Pseudomonas and Serratia strains on Agrobacterium tumefaciens biofilms. Apmis, 2016, 124, 586-594.	2.0	24

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19	The effect of mutation in the clp X gene on the synthesis of N -acyl-homoserine lactones and other properties of Burkholderia cenocepacia 370. Microbiological Research, 2016, 186-187, 90-98.	5.3	6
20	Antibacterial activity of monolayer nanoparticulate Ag_N-(titanium-oxo-alkoxy) coatings. Mechanics and Industry, 2016, 17, 504.	1.3	1
21	The effect of introduction of the Heterologous gene encoding the N-acyl-homoserine lactonase (aiiA) on the properties of Burkholderia cenocepacia 370. Russian Journal of Genetics, 2015, 51, 737-744.	0.6	2
22	The ability of natural ketones to interact with bacterial quorum sensing systems. Molecular Genetics, Microbiology and Virology, 2014, 29, 167-171.	0.3	6
23	Inhibitory and Toxic Effects of Volatiles Emitted by Strains ofPseudomonasandSerratiaon Growth and Survival of Selected Microorganisms,Caenorhabditis elegans, andDrosophila melanogaster. BioMed Research International, 2014, 2014, 1-11.	1.9	98
24	Quorum sensing regulation in bacteria of the family enterobacteriaceae. Russian Journal of Genetics, 2014, 50, 323-340.	0.6	18
25	Effect of salicylic, indole-3-acetic, gibberellic, and abscisic acids on biofilm formation by Agrobacterium tumefaciens C58 and Pseudomonas aeruginosa PAO1. Applied Biochemistry and Microbiology, 2013, 49, 706-710.	0.9	7
26	Effect of plant phenolic compounds on biofilm formation by Pseudomonas aeruginosa. Apmis, 2013, 121, 1073-1081.	2.0	68
27	Antibacterial effects of silver nanoparticles on gram-negative bacteria: Influence on the growth and biofilms formation, mechanisms of action. Colloids and Surfaces B: Biointerfaces, 2013, 102, 300-306.	5.0	376
28	Quorum-sensing quenching by rhizobacterial volatiles. Environmental Microbiology Reports, 2011, 3, 698-704.	2.4	105
29	Involvement of the global regulators GrrS, RpoS, and SplIR in formation of biofilms in Serratia plymuthica. Russian Journal of Genetics, 2010, 46, 541-545.	0.6	5
30	Activation of bioluminescence of sensor Escherichia coli srains used to detect N-acyl-homoserine lactones in presence of nitrofurans and NO generators. Molecular Genetics, Microbiology and Virology, 2010, 25, 71-76.	0.3	1
31	Antimicrobial effect of metallic and semiconductor nanoparticles. Nanotechnologies in Russia, 2010, 5, 277-289.	0.7	23
32	GacS-dependent regulation of enzymic and antifungal activities and synthesis of N-acylhomoserine lactones in rhizospheric strain Pseudomonas chlororaphis 449. Folia Microbiologica, 2009, 54, 401-408.	2.3	6
33	Synthesis of N-acyl homoserine lactones and phenazines, some enzymatic activities, and fungicidal activity in the cells of Pseudomonas chlororaphis 449 with inactivated rpoS gene. Molecular Genetics, Microbiology and Virology, 2009, 24, 7-11.	0.3	2
34	Expression of gene for N-acyl-homoserine lactonase AiiA affects properties of rhizospheric strain Pseudomonas chlororaphis 449. Russian Journal of Genetics, 2009, 45, 30-34.	0.6	7
35	Effect of nitrofurans and NO generators on biofilm formation by Pseudomonas aeruginosa PAO1 and Burkholderia cenocepacia 370. Research in Microbiology, 2009, 160, 353-357.	2.1	32
36	Influence of mutations in genes of global transcriptional regulators on production of autoinducer AI-2 in the Escherichia coli Quorum Sensing system. Russian Journal of Genetics, 2008, 44, 1031-1036.	0.6	0

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37	Quorum sensing systems of regulation, synthesis of phenazine antibiotics, and antifungal activity in rhizospheric bacterium pseudomonas chlororaphis 449. Russian Journal of Genetics, 2008, 44, 1400-1408.	0.6	29
38	Suggested interrelationships of RNA-polymerase sigma S subunit and nitrogen control system in Pseudomonas chlororaphis. Russian Journal of Genetics, 2007, 43, 846-851.	0.6	0
39	Quorum-sensing regulation of gene expression: Fundamental and applied aspects and the role in bacterial communication. Microbiology, 2006, 75, 390-397.	1.2	32
40	Quorum-sensing regulation in soil pseudomonads. Microbiology, 2006, 75, 398-400.	1.2	1
41	Quorum sensing regulation of gene expression: A promising target for drugs against bacterial pathogenicity. Molecular Biology, 2006, 40, 169-182.	1.3	44
42	Activity ofSerratia plymuthica IC1270 genechiA promoter region inEscherichia coli mutants deficient in global regulators of transcription. Journal of Basic Microbiology, 2005, 45, 426-437.	3.3	5
43	Activation of the expression of the microcin C51 operon upon glucose starvation of cells at the exponential growth phase. Russian Journal of Genetics, 2005, 41, 40-43.	0.6	1
44	Regulation of Expression of Bacterial Genes in the Absence of Active Cell Growth. Russian Journal of Genetics, 2005, 41, 968-984.	0.6	12
45	Involvement of Sigma S and Sigma 70 Subunits of RNA Polymerase and the CRP Protein in the Regulation of Microcin C51 Operon Expression. Russian Journal of Genetics, 2004, 40, 1199-1209.	0.6	3
46	Microcin C51 Plasmid Genes: Possible Source of Horizontal Gene Transfer. Antimicrobial Agents and Chemotherapy, 2003, 47, 2868-2874.	3.2	38
47	Title is missing!. Russian Journal of Genetics, 2002, 38, 467-469.	0.6	6
48	Regulation of microcin C51 operon expression: the role of global regulators of transcription. Research in Microbiology, 2001, 152, 469-479.	2.1	29
49	Title is missing!. Russian Journal of Genetics, 2001, 37, 876-883.	0.6	3
50	Biological Control of Crown Gall in Grapevine and Raspberry by Two Pseudomonas spp. with a Wide Spectrum of Antagonistic Activity. Biocontrol Science and Technology, 1998, 8, 45-57.	1.3	43
51	Structure of microcin C51, a new antibiotic with a broad spectrum of activity. FEBS Letters, 1995, 357, 235-238.	2.8	30
52	Cloning and mapping of the genetic determinants for microcin C51 production and immunity. Molecular Genetics and Genomics, 1993, 241-241, 700-706.	2.4	25