

Ilya Manukhov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Gene Encoding L-Methionine $\hat{\beta}$ -Lyase Is Present in Enterobacteriaceae Family Genomes: Identification and Characterization of <i>Citrobacter freundii</i> L-Methionine $\hat{\beta}$ -Lyase. <i>Journal of Bacteriology</i> , 2005, 187, 3889-3893.	2.2	69
2	Lux-biosensors for detection of SOS-response, heat shock, and oxidative stress. <i>Applied Biochemistry and Microbiology</i> , 2010, 46, 781-788.	0.9	56
3	Action of 1,1-dimethylhydrazine on bacterial cells is determined by hydrogen peroxide. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 634, 172-176.	1.7	55
4	Gene-specific Silencing by Expression of Parallel Complementary RNA in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 26523-26529.	3.4	37
5	Folding and refolding of thermolabile and thermostable bacterial luciferases: the role of DnaK heat-shock proteins. <i>FEBS Letters</i> , 1999, 448, 265-268.	2.8	35
6	L-methionine $\hat{\beta}$ -lyase from <i>Citrobacter freundii</i> : Cloning of the gene and kinetic parameters of the enzyme. <i>Biochemistry (Moscow)</i> , 2006, 71, 361-369.	1.5	34
7	Raman Scattering: From Structural Biology to Medical Applications. <i>Crystals</i> , 2020, 10, 38.	2.2	29
8	Comparative Analysis of the <i>lux</i> Operons in <i>Aliivibrio logei</i> KCh1 (a Kamchatka Isolate) and <i>Aliivibrio salmonicida</i> . <i>Journal of Bacteriology</i> , 2011, 193, 3998-4001.	2.2	25
9	Directed modification of <i>Escherichia coli</i> metabolism for the design of threonine-producing strains. <i>Applied Biochemistry and Microbiology</i> , 2013, 49, 723-742.	0.9	23
10	Quorum Sensing, or How Bacteria "Talk" to Each Other. <i>Molecular Biology</i> , 2001, 35, 224-232.	1.3	20
11	Role of Hsp70 (DnaK-DnaJ-GrpE) and Hsp100 (ClpA and ClpB) chaperones in refolding and increased thermal stability of bacterial luciferases in <i>Escherichia coli</i> cells. <i>Biochemistry (Moscow)</i> , 2002, 67, 986-992.	1.5	17
12	Title is missing!. <i>Molecular Biology</i> , 2002, 36, 637-647.	1.3	17
13	Induction of oxidative stress and SOS response in <i>Escherichia coli</i> by vegetable extracts: the role of hydroperoxides and the synergistic effect of simultaneous treatment with cisplatin. <i>Microbiology</i> , 2008, 77, 523-529.	1.2	16
14	Seasonal changes in luminescent intestinal microflora of the fish inhabiting the Bering and Okhotsk seas. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	14
15	Lux-operon of the marine psychrophilic bacterium <i>Aliivibrio logei</i> : a comparative analysis of the LuxR1/LuxR2 regulatory activity in <i>Escherichia coli</i> cells. <i>Microbiology (United Kingdom)</i> , 2016, 162, 717-724.	1.8	14
16	ATP synthase FOF1 structure, function, and structure-based drug design. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 179.	5.4	13
17	The N-Terminal Domain of <i>Aliivibrio fischeri</i> LuxR Is a Target of the GroEL Chaperonin. <i>Journal of Bacteriology</i> , 2010, 192, 5549-5551.	2.2	12
18	Constructing of <i>Bacillus subtilis</i> -Based Lux-Biosensors with the Use of Stress-Inducible Promoters. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9571.	4.1	12

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19	Genotoxic effect of 2,2-â€™-bis(bicyclo[2.2.1] heptane) on bacterial cells. PLoS ONE, 2020, 15, e0228525.	2.5	11
20	Influence of the luxR Regulatory Gene Dosage and Expression Level on the Sensitivity of the Whole-Cell Biosensor to Acyl-Homoserine Lactone. Biosensors, 2021, 11, 166.	4.7	11
21	A combination of luxR1 and luxR2 genes activates Pr-promoters of psychrophilic Aliivibrio logei lux operon independently of chaperonin GroEL/ES and protease Lon at high concentrations of autoinducer. Biochemical and Biophysical Research Communications, 2016, 473, 1158-1162.	2.1	10
22	Antirestriction activities of KlcA (RP4) and ArdB (R64) proteins. FEMS Microbiology Letters, 2018, 365, .	1.8	10
23	Kinetics of the thermal inactivation and the refolding of bacterial luciferases in Bacillus subtilis and in Escherichia coli differ. PLoS ONE, 2019, 14, e0226576.	2.5	10
24	Title is missing!. Molecular Biology, 2003, 37, 598-604.	1.3	9
25	The Effect of Clp Proteins on DnaK-Dependent Refolding of Bacterial Luciferases. Molecular Biology, 2004, 38, 427-433.	1.3	9
26	Comparative analysis of Aliivibrio logei luxR1 and luxR2 genes regulation in Escherichia coli cells. Archives of Microbiology, 2019, 201, 1415-1425.	2.2	8
27	The C-terminal domain of the Vibrio fischeri transcription activator LuxR is not essential for degradation by Lon protease. Molecular Biology, 2010, 44, 454-457.	1.3	6
28	â€œQuorum sensingâ€•regulation and the structure of lux the operon in marine bacteria Aliivibrio logei. Russian Journal of Genetics, 2011, 47, 1415-1421.	0.6	6
29	Differential Analysis of Bactericidal Systems of Blood Serum with Recombinant Luminescent Escherichia coli and Bacillus subtilis Strains. Bulletin of Experimental Biology and Medicine, 2012, 154, 59-63.	0.8	6
30	Aliivibrio logei KCh1 (Kamchatka isolate): Biochemical and bioluminescence characteristics and cloning of the lux operon. Microbiology, 2010, 79, 349-355.	1.2	5
31	Effects of the IbpAB and ClpA chaperones on DnaKJE-dependent refolding of bacterial luciferases in Escherichia coli cells. Molecular Biology, 2011, 45, 479-483.	1.3	5
32	Inducible specific lux-biosensors for the detection of antibiotics: Construction and main parameters. Applied Biochemistry and Microbiology, 2014, 50, 98-103.	0.9	5
33	Involvement of host factors in the regulation of the Vibrio fischeri lux operon in Escherichia coli cells. Microbiology, 2006, 75, 452-458.	1.2	4
34	Photoreactivation of UV-exposed Escherichia coli K12 AB1886 uvrA6 via luminescence of Photobacterium leiognathi luciferase. Molecular Biology, 2015, 49, 928-932.	1.3	4
35	LitR directly upregulates autoinducer synthesis and luminescence in <i>Aliivibrio logei</i>. PeerJ, 2021, 9, e12030.	2.0	4
36	Trigger factor assists the refolding of heterodimeric but not monomeric luciferases. Biochemistry (Moscow), 2014, 79, 62-68.	1.5	3

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37	Mutation <i>clpA::kan</i> of the gene for an Hsp100 family chaperone impairs the DnaK-dependent refolding of proteins in <i>Escherichia coli</i> . <i>Molecular Biology</i> , 2008, 42, 906-910.	1.3	1
38	Proteolytic control of expression of <i>Vibrio fischeri</i> lux-operon genes in <i>Escherichia coli</i> cells. <i>Russian Journal of Genetics</i> , 2010, 46, 932-937.	0.6	1
39	Peculiarities of luminescent response of <i>Bacillus subtilis</i> recombinant strain bearing cloned <i>Vibrio harveyi</i> lux AB genes to the action of thermostable blood serum compounds. <i>Applied Biochemistry and Microbiology</i> , 2010, 46, 845-848.	0.9	0
40	Trigger factor-dependent refolding of bacterial luciferases in <i>Escherichia coli</i> : Kinetics, efficiency, and effect of chaperone system. <i>Molecular Biology</i> , 2013, 47, 435-439.	1.3	0