Ilya Manukhov

List of Publications by Year
in descending order

40 papers	626 citations	623734 14 h-index	610901 24 g-index
43 all docs	43 docs citations	43 times ranked	466 citing authors

#	Article	IF	Citations
1	ATP synthase FOF1 structure, function, and structure-based drug design. Cellular and Molecular Life Sciences, 2022, 79, 179.	5.4	13
2	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
3	LitR directly upregulates autoinducer synthesis and luminescence in <i>Aliivibrio logei</i>. PeerJ, 2021, 9, e12030.	2.0	4
4	Constructing of Bacillus subtilis-Based Lux-Biosensors with the Use of Stress-Inducible Promoters. International Journal of Molecular Sciences, 2021, 22, 9571.	4.1	12
5	Genotoxic effect of 2,2â€™-bis(bicyclo[2.2.1] heptane) on bacterial cells. PLoS ONE, 2020, 15, e0228525.	2.5	11
6	Raman Scattering: From Structural Biology to Medical Applications. Crystals, 2020, 10, 38.	2.2	29
7	Comparative analysis of Aliivibrio logei luxR1 and luxR2 genes regulation in Escherichia coli cells. Archives of Microbiology, 2019, 201, 1415-1425.	2.2	8
8	Seasonal changes in luminescent intestinal microflora of the fish inhabiting the Bering and Okhotsk seas. FEMS Microbiology Letters, 2019, 366, .	1.8	14
9	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
10	Antirestriction activities of KlcA (RP4) and ArdB (R64) proteins. FEMS Microbiology Letters, 2018, 365, .	1.8	10
11	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
12	Lux-operon of the marine psychrophilic bacterium Aliivibrio logei: a comparative analysis of the LuxR1/LuxR2 regulatory activity in Escherichia coli cells. Microbiology (United Kingdom), 2016, 162, 717-724.	1.8	14
13	Photoreactivation of UV-exposed Escherichia coli K12 AB1886 uvrA6 via luminescence of Photobacterium leiognathi luciferase. Molecular Biology, 2015, 49, 928-932.	1.3	4
14	Inducible specific lux-biosensors for the detection of antibiotics: Construction and main parameters. Applied Biochemistry and Microbiology, 2014, 50, 98-103.	0.9	5
15	Trigger factor assists the refolding of heterodimeric but not monomeric luciferases. Biochemistry (Moscow), 2014, 79, 62-68.	1.5	3
16	Trigger factor-dependent refolding of bacterial luciferases in Escherichia coli: Kinetics, efficiency, and effect of bichaperone system. Molecular Biology, 2013, 47, 435-439.	1.3	0
17	Directed modification of Escherichia coli metabolism for the design of threonine-producing strains. Applied Biochemistry and Microbiology, 2013, 49, 723-742.	0.9	23
18	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

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19	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
20	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
21	Comparative Analysis of the <i>lux</i> Operons in Aliivibrio logei KCh1 (a Kamchatka Isolate) and Aliivibrio salmonicida. Journal of Bacteriology, 2011, 193, 3998-4001.	2.2	25
22	Proteolytic control of expression of Vibrio fischeri lux-operon genes in Escherichia coli cells. Russian Journal of Genetics, 2010, 46, 932-937.	0.6	1
23	Lux-biosensors for detection of SOS-response, heat shock, and oxidative stress. Applied Biochemistry and Microbiology, 2010, 46, 781-788.	0.9	56
24	Peculiarities of luminescent response of Bacillus subtilis recombinant strain bearing cloned Vibro harveyi lux AB genes to the action of thermostable blood serum compounds. Applied Biochemistry and Microbiology, 2010, 46, 845-848.	0.9	0
25	Aliivibrio logei KCh1 (Kamchatka isolate): Biochemical and bioluminescence characteristics and cloning of the lux operon. Microbiology, 2010, 79, 349-355.	1.2	5
26	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
27	The N-Terminal Domain of <i>Aliivibrio fischeri</i> LuxR Is a Target of the GroEL Chaperonin. Journal of Bacteriology, 2010, 192, 5549-5551.	2.2	12
28	Induction of oxidative stress and SOS response in Escherichia coli by vegetable extracts: the role of hydroperoxides and the synergistic effect of simultaneous treatment with cisplatinum. Microbiology, 2008, 77, 523-529.	1.2	16
29	Mutation clpA::kan of the gene for an Hsp100 family chaperone impairs the DnaK-dependent refolding of proteins in Escherichia coli. Molecular Biology, 2008, 42, 906-910.	1.3	1
30	Action of 1,1-dimethylhydrazine on bacterial cells is determined by hydrogen peroxide. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 634, 172-176.	1.7	55
31	L-methionine Î3-lyase from Citrobacter freundii: Cloning of the gene and kinetic parameters of the enzyme. Biochemistry (Moscow), 2006, 71, 361-369.	1.5	34
32	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
33	A Gene Encoding l -Methionine Î3-Lyase Is Present in Enterobacteriaceae Family Genomes: Identification and Characterization of Citrobacter freundii l -Methionine Î3-Lyase. Journal of Bacteriology, 2005, 187, 3889-3893.	2.2	69
34	The Effect of Clp Proteins on DnaK-Dependent Refolding of Bacterial Luciferases. Molecular Biology, 2004, 38, 427-433.	1.3	9
35	Title is missing!. Molecular Biology, 2003, 37, 598-604.	1.3	9
36	Role of Hsp70 (DnaK-DnaJ-GrpE) and Hsp100 (ClpA and ClpB) chaperones in refolding and increased thermal stability of bacterial luciferases in Escherichia coli cells. Biochemistry (Moscow), 2002, 67, 986-992.	1.5	17

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37	Title is missing!. Molecular Biology, 2002, 36, 637-647.	1.3	17
38	Quorum Sensing, or How Bacteria â€œTalkâ€•to Each Other. Molecular Biology, 2001, 35, 224-232.	1.3	20
39	Gene-specific Silencing by Expression of Parallel Complementary RNA in Escherichia coli. Journal of Biological Chemistry, 2000, 275, 26523-26529.	3.4	37
40	Folding and refolding of thermolabile and thermostable bacterial luciferases: the role of DnaKJ heat-shock proteins. FEBS Letters, 1999, 448, 265-268.	2.8	35