Grzegorz Wegrzyn

List of Publications by Year
in descending order

361 papers	9,189 citations	50276 46 h-index	98798 67 g-index
381 all docs	381 docs citations	381 times ranked	8382 citing authors

#	Article	IF	Citations
1	Phage display and other peptide display technologies. FEMS Microbiology Reviews, 2022, 46, .	8.6	87
2	Promoter considerations in the design of lentiviral vectors for use in treating lysosomal storage diseases. Molecular Therapy - Methods and Clinical Development, 2022, 24, 71-87.	4.1	5
3	Differences in gene expression patterns, revealed by RNA-seq analysis, between various Sanfilippo and Morquio disease subtypes. Gene, 2022, 812, 146090.	2.2	7
4	Should Bacteriophages Be Classified as Parasites or Predators?. Polish Journal of Microbiology, 2022, 71, 3-9.	1.7	11
5	Editorial: Molecular Aspects of Mucopolysaccharidoses. Frontiers in Molecular Biosciences, 2022, 9, 874267.	3.5	7
6	Synchrotron Radiation Circular Dichroism, a New Tool to Probe Interactions between Nucleic Acids Involved in the Control of ColE1-Type Plasmid Replication. Applied Sciences (Switzerland), 2022, 12, 2639.	2.5	4
7	Complex Changes in the Efficiency of the Expression of Many Genes in Monogenic Diseases, Mucopolysaccharidoses, May Arise from Significant Disturbances in the Levels of Factors Involved in the Gene Expression Regulation Processes. Genes, 2022, 13, 593.	2.4	11
8	Enrofloxacinâ€"The Ruthless Killer of Eukaryotic Cells or the Last Hope in the Fight against Bacterial Infections?. International Journal of Molecular Sciences, 2022, 23, 3648.	4.1	28
9	High diversity in the regulatory region of Shiga toxin encoding bacteriophages. BMC Genomics, 2022, 23, 230.	2.8	8
10	Separating gene clustering in the rare mucopolysaccharidosis disease. Journal of Applied Genetics, 2022, 63, 361-368.	1.9	2
11	Impaired ion homeostasis as a possible associate factor in mucopolysaccharidosis pathogenesis: transcriptomic, cellular and animal studies. Metabolic Brain Disease, 2022, 37, 299-310.	2.9	8
12	Highly diverse phenotypes of mucopolysaccharidosis type IIIB sibling patients: effects of an additional mutation in the AUTS2 gene. Journal of Applied Genetics, 2022, 63, 535-542.	1.9	2
13	Efficacy and safety of phage therapy against Salmonella enterica serovars Typhimurium and Enteritidis estimated by using a battery of in vitro tests and the Galleria mellonella animal model. Microbiological Research, 2022, 261, 127052.	5.3	21
14	Changes in expression of signal transduction-related genes, and formation of aggregates of GPER1 and OXTR receptors in mucopolysaccharidosis cells. European Journal of Cell Biology, 2022, 101, 151232.	3.6	7
15	Misdiagnosis in mucopolysaccharidoses. Journal of Applied Genetics, 2022, 63, 475-495.	1.9	14
16	Synergistic Effects of Bacteriophage vB_Eco4-M7 and Selected Antibiotics on the Biofilm Formed by Shiga Toxin-Producing Escherichia coli. Antibiotics, 2022, 11, 712.	3.7	8
17	Behavioral- and blood-based biomarkers for Huntington's disease: Studies on the R6/1 mouse model with prospects for early diagnosis and monitoring of the disease. Brain, Behavior, & Immunity - Health, 2022, 23, 100482.	2.5	6
18	Expression of genes involved in apoptosis is dysregulated in mucopolysaccharidoses as revealed by pilot transcriptomic analyses. Cell Biology International, 2021, 45, 549-557.	3.0	25

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19	Hair dysmorphology in the R6/1 and R6/2 mouse models of Huntingtonâ€™s disease. Gene, 2021, 765, 145133.	2.2	4
20	Bacteriophages as sources of small non-coding RNA molecules. Plasmid, 2021, 113, 102527.	1.4	18
21	Changes in cellular processes occurring in mucopolysaccharidoses as underestimated pathomechanisms of these diseases. Cell Biology International, 2021, 45, 498-506.	3.0	39
22	Ferroptosis and Its Modulation by Autophagy in Light of the Pathogenesis of Lysosomal Storage Diseases. Cells, 2021, 10, 365.	4.1	33
23	Extraordinary Multi-Organismal Interactions Involving Bacteriophages, Bacteria, Fungi, and Rotifers: Quadruple Microbial Trophic Network in Water Droplets. International Journal of Molecular Sciences, 2021, 22, 2178.	4.1	7
24	Bacteriophage-Derived Depolymerases against Bacterial Biofilm. Antibiotics, 2021, 10, 175.	3.7	45
25	Phageâ€“Bacteria Interactions in Potential Applications of Bacteriophage vB_EfaS-271 against Enterococcus faecalis. Viruses, 2021, 13, 318.	3.3	21
26	Gene Expression-Related Changes in Morphologies of Organelles and Cellular Component Organization in Mucopolysaccharidoses. International Journal of Molecular Sciences, 2021, 22, 2766.	4.1	20
27	Replication Region Analysis Reveals Non-lambdoid Shiga Toxin Converting Bacteriophages. Frontiers in Microbiology, 2021, 12, 640945.	3.5	7
28	Dosage Compensation in Females with X-Linked Metabolic Disorders. International Journal of Molecular Sciences, 2021, 22, 4514.	4.1	8
29	Temperate Bacteriophagesâ€”The Powerful Indirect Modulators of Eukaryotic Cells and Immune Functions. Viruses, 2021, 13, 1013.	3.3	11
30	Editorial: Shiga Toxin-Converting Bacteriophages. Frontiers in Microbiology, 2021, 12, 680816.	3.5	2
31	Discrimination of hospital isolates of Acinetobacter baumannii using repeated sequences and whole genome alignment differential analysis. Journal of Applied Genetics, 2021, 62, 511-521.	1.9	1
32	Bacteriophage-encoded enzymes destroying bacterial cell membranes and walls, and their potential use as antimicrobial agents. Microbiological Research, 2021, 248, 126746.	5.3	42
33	Differential Chromosome- and Plasmid-Borne Resistance of Escherichia coli hfq Mutants to High Concentrations of Various Antibiotics. International Journal of Molecular Sciences, 2021, 22, 8886.	4.1	14
34	Interactions of Bacteriophages with Animal and Human Organismsâ€”Safety Issues in the Light of Phage Therapy. International Journal of Molecular Sciences, 2021, 22, 8937.	4.1	38
35	Oxidative Stress in Mucopolysaccharidoses: Pharmacological Implications. Molecules, 2021, 26, 5616.	3.8	12
36	A Validation System for Selection of Bacteriophages against Shiga Toxin-Producing Escherichia coli Contamination. Toxins, 2021, 13, 644.	3.4	4

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37	Unexplored potential: Biologically active compounds produced by microorganisms from hard-to-reach environments and their applications. Acta Biochimica Polonica, 2021, 68, 565-574.	0.5	6
38	Antibacterial, Antifungal and Anticancer Activities of Compounds Produced by Newly Isolated Streptomyces Strains from the Szczelina ChochoÅ‚owska Cave (Tatra Mountains, Poland). Antibiotics, 2021, 10, 1212.	3.7	21
39	Phage therapy: Current status and perspectives. Medicinal Research Reviews, 2020, 40, 459-463.	10.5	102
40	Mechanism of selective anticancer activity of isothiocyanates relies on differences in DNA damage repair between cancer and healthy cells. European Journal of Nutrition, 2020, 59, 1421-1432.	3.9	25
41	Mucopolysaccharidosis and Autophagy: Controversies on the Contribution of the Process to the Pathogenesis and Possible Therapeutic Applications. NeuroMolecular Medicine, 2020, 22, 25-30.	3.4	28
42	Formation of Complexes Between O Proteins and Replication Origin Regions of Shiga Toxin-Converting Bacteriophages. Frontiers in Molecular Biosciences, 2020, 7, 207.	3.5	5
43	Proteasome Composition and Activity Changes in Cultured Fibroblasts Derived From Mucopolysaccharidoses Patients and Their Modulation by Genistein. Frontiers in Cell and Developmental Biology, 2020, 8, 540726.	3.7	18
44	Chromosomal localization of PemIK toxin-antitoxin system results in the loss of toxicity â€“ Characterization of pemIK-Sp from Staphylococcus pseudintermedius. Microbiological Research, 2020, 240, 126529.	5.3	1
45	Bacteriophages vB_Sen-TO17 and vB_Sen-E22, Newly Isolated Viruses from Chicken Feces, Specific for Several Salmonella enterica Strains. International Journal of Molecular Sciences, 2020, 21, 8821.	4.1	13
46	One drug to treat many diseases: unlocking the economic trap of rare diseases. Metabolic Brain Disease, 2020, 35, 1237-1240.	2.9	8
47	Changes in expressions of genes involved in the regulation of cellular processes in mucopolysaccharidoses as assessed by fibroblast culture-based transcriptomic analyses. Metabolic Brain Disease, 2020, 35, 1353-1360.	2.9	13
48	Characteristics of a Series of Three Bacteriophages Infecting Salmonella enterica Strains. International Journal of Molecular Sciences, 2020, 21, 6152.	4.1	21
49	Nostoc edaphicum CCNP1411 from the Baltic Seaâ€”A New Producer of Nostocyclopeptides. Marine Drugs, 2020, 18, 442.	4.6	7
50	Characterization of the Bacteriophage vB_EfaS-271 Infecting Enterococcus faecalis. International Journal of Molecular Sciences, 2020, 21, 6345.	4.1	13
51	Transcriptomic analyses suggest that mucopolysaccharidosis patients may be less susceptible to COVIDâ€19. FEBS Letters, 2020, 594, 3363-3370.	2.8	12
52	Has resveratrol a potential for mucopolysaccharidosis treatment?. European Journal of Pharmacology, 2020, 888, 173534.	3.5	14
53	Transcriptomic Changes Related to Cellular Processes with Particular Emphasis on Cell Activation in Lysosomal Storage Diseases from the Group of Mucopolysaccharidoses. International Journal of Molecular Sciences, 2020, 21, 3194.	4.1	22
54	Ea22 Proteins from Lambda and Shiga Toxin-Producing Bacteriophages Balance Structural Diversity with Functional Similarity. ACS Omega, 2020, 5, 12236-12244.	3.5	7

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55	Elevated LysoGb3 Concentration in the Neuronopathic Forms of Mucopolysaccharidoses. Diagnostics, 2020, 10, 155.	2.6	8
56	Untypically mild phenotype of a patient suffering from Sanfilippo syndrome B with the c.638C>T/c.889C>T (p.Pro213Leu/p.Arg297Ter) mutations in the NAGLU gene. Molecular Genetics & Genomic Medicine, 2020, 8, e1356.	1.2	6
57	Characterization of a bacteriophage, vB_Eco4M-7, that effectively infects many Escherichia coli O157 strains. Scientific Reports, 2020, 10, 3743.	3.3	46
58	Genetic Base of Behavioral Disorders in Mucopolysaccharidoses: Transcriptomic Studies. International Journal of Molecular Sciences, 2020, 21, 1156.	4.1	22
59	Changes in the vacuolar transport: Insight into pathomechanism of mucopolysaccharidosis. Molecular Genetics and Metabolism, 2020, 129, S60.	1.1	0
60	Underestimated Aspect of Mucopolysaccharidosis Pathogenesis: Global Changes in Cellular Processes Revealed by Transcriptomic Studies. International Journal of Molecular Sciences, 2020, 21, 1204.	4.1	41
61	The ea22 gene of lambdoid phages:Âpreserved prolysogenic function despite of high sequence diversity. Virus Genes, 2020, 56, 266-277.	1.6	8
62	The Role of Metabolites in the Link between DNA Replication and Central Carbon Metabolism in Escherichia coli. Genes, 2020, 11, 447.	2.4	9
63	Novel Expression Vectors Based on the pIGDM1 Plasmid. Molecular Biotechnology, 2019, 61, 763-773.	2.4	8
64	Autophagy-dependent mechanism of genistein-mediated elimination of behavioral and biochemical defects in the rat model of sporadic Alzheimer's disease. Neuropharmacology, 2019, 148, 332-346.	4.1	70
65	Genistein induces degradation of mutant huntingtin in fibroblasts from Huntingtonâ€™s disease patients. Metabolic Brain Disease, 2019, 34, 715-720.	2.9	18
66	Multiple factors correlating with wing malformations in the population of Parnassius apollo (Lepidoptera: Papilionidae) restituted from a low number of individuals: A mini review. Insect Science, 2019, 26, 380-387.	3.0	6
67	Genistein modulates gene activity in psoriatic patients. Acta Biochimica Polonica, 2019, 66, 101-110.	0.5	7
68	Role of orf73 in the development of lambdoid bacteriophages during infection of the Escherichia coli host. Acta Biochimica Polonica, 2019, 66, 589-596.	0.5	5
69	The Use of Bacteriophages in Animal Health and Food Protection. , 2019, , 213-256.		3
70	Effects of some commonly used drinks on induction of Shiga toxin-converting prophage in Escherichia coli. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2018, 13, 125-129.	1.4	7
71	Double silencing of relevant genes suggests the existence of the direct link between DNA replication/repair and central carbon metabolism in human fibroblasts. Gene, 2018, 650, 1-6.	2.2	5
72	Correction of Huntingtonâ€™s Disease Phenotype by Genistein-Induced Autophagy in the Cellular Model. NeuroMolecular Medicine, 2018, 20, 112-123.	3.4	54

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73	Inhibition of Shiga toxin-converting bacteriophage development by novel antioxidant compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 639-650.	5.2	8
74	Autophagy stimulation as a promising approach in treatment of neurodegenerative diseases. Metabolic Brain Disease, 2018, 33, 989-1008.	2.9	65
75	Non-steroidal anti-inflammatory drugs are safe with respect to the transcriptome of human dermal fibroblasts. European Journal of Pharmacology, 2018, 818, 206-210.	3.5	0
76	Female Fabry disease patients and X-chromosome inactivation. Gene, 2018, 641, 259-264.	2.2	44
77	How close are we to therapies for Sanfilippo disease?. Metabolic Brain Disease, 2018, 33, 1-10.	2.9	52
78	Characterization of adenine nucleotide metabolism in the cellular model of Huntingtonâ€™s disease. Nucleosides, Nucleotides and Nucleic Acids, 2018, 37, 630-638.	1.1	7
79	Multiple links connect central carbon metabolism to DNA replication initiation and elongation inBacillus subtilis. DNA Research, 2018, 25, 641-653.	3.4	17
80	Roles of orf60a and orf61 in Development of Bacteriophages Î» and Î¦24B. Viruses, 2018, 10, 553.	3.3	12
81	Differential effects of various soy isoflavone dietary supplements (nutraceuticals) on bacterial growth and human fibroblast viability. Acta Biochimica Polonica, 2018, 65, 325-332.	0.5	3
82	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. International Review of Cell and Molecular Biology, 2018, 340, 209-344.	3.2	208
83	Phage Therapy: Beyond Antibacterial Action. Frontiers in Medicine, 2018, 5, 146.	2.6	27
84	Mitochondrial alterations accompanied by oxidative stress conditions in skin fibroblasts of Huntingtonâ€™s disease patients. Metabolic Brain Disease, 2018, 33, 2005-2017.	2.9	37
85	Molecular action of isoflavone genistein in the human epithelial cell line HaCaT. PLoS ONE, 2018, 13, e0192297.	2.5	24
86	Characterization of Bacteriophage vB-EcoS-95, Isolated From Urban Sewage and Revealing Extremely Rapid Lytic Development. Frontiers in Microbiology, 2018, 9, 3326.	3.5	48
87	Nonsteroidal anti-inflammatory drugs modulate cellular glycosaminoglycan synthesis by affecting EGFR and PI3K signaling pathways. Scientific Reports, 2017, 7, 43154.	3.3	13
88	Bacteriophages as Factories for Eu2O3Nanoparticle Synthesis. Bioconjugate Chemistry, 2017, 28, 1834-1841.	3.6	8
89	Mitochondrial DNA levels in Huntington disease leukocytes and dermal fibroblasts. Metabolic Brain Disease, 2017, 32, 1237-1247.	2.9	19
90	Sulfpraphane induces autophagy and reduces the level of mutated huntingtin in human fibroblasts. Molecular Genetics and Metabolism, 2017, 120, S31-S32.	1.1	0

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91	Prevalence of polymorphisms in OPG, RANKL and RANK as potential markers for Charcot arthropathy development. Scientific Reports, 2017, 7, 501.	3.3	30
92	Silencing of the pentose phosphate pathway genes influences DNA replication in human fibroblasts. Gene, 2017, 635, 33-38.	2.2	16
93	Evidence for interactions between homocysteine and genistein: insights into stroke risk and potential treatment. Metabolic Brain Disease, 2017, 32, 1855-1860.	2.9	6
94	Purified Stx and Î» phage initiator O proteins bind specifically to two different origins of replication inÂvitro. Protein Expression and Purification, 2017, 131, 16-26.	1.3	13
95	Small and Smallerâ€"sRNAs and MicroRNAs in the Regulation of Toxin Gene Expression in Prokaryotic Cells: A Mini-Review. Toxins, 2017, 9, 181.	3.4	35
96	Bad Phages in Good Bacteria: Role of the Mysterious orf63 of Î» and Shiga Toxin-Converting Î¦24B Bacteriophages. Frontiers in Microbiology, 2017, 8, 1618.	3.5	28
97	Suppression of the Escherichia coli dnaA46 mutation by changes in the activities of the pyruvate-acetate node links DNA replication regulation to central carbon metabolism. PLoS ONE, 2017, 12, e0176050.	2.5	18
98	Characterization of conditions and determination of practical tips for mtDNA level estimation in various human cells. Acta Biochimica Polonica, 2017, 64, 699-704.	0.5	4
99	Glycosaminoglycans and mucopolysaccharidosis type III. Frontiers in Bioscience - Landmark, 2016, 21, 1393-1409.	3.0	32
100	Oxidative Stress in Shiga Toxin Production by EnterohemorrhagicEscherichia coli. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	4.0	38
101	The Role of theExo-XisRegion in Oxidative Stress-Mediated Induction of Shiga Toxin-Converting Prophages. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-14.	4.0	11
102	The Escherichia Coli Hfq Protein: An Unattended DNA-Transactions Regulator. Frontiers in Molecular Biosciences, 2016, 3, 36.	3.5	64
103	B26â€...Differential mitochondrial DNA levels in HD patients depending on the cell type. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A18.1-A18.	1.9	0
104	L11â€...A novel approach for treatment of huntingtonâ€™s disease by genistein-mediated stimulation of autophagy. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A93.3-A94.	1.9	0
105	Development of a method for the construction of artificial genes coding for bioactive peptide-based biopolymers. New Biotechnology, 2016, 33, S191.	4.4	0
106	Phage-Directed Synthesis of Photoluminescent Zinc Oxide Nanoparticles under Benign Conditions. Bioconjugate Chemistry, 2016, 27, 1999-2006.	3.6	14
107	Biodiversity of bacteriophages: morphological and biological properties of a large group of phages isolated from urban sewage. Scientific Reports, 2016, 6, 34338.	3.3	179
108	Modified Filamentous Bacteriophage as a Scaffold for Carbon Nanofiber. Bioconjugate Chemistry, 2016, 27, 2900-2910.	3.6	16

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109	B29â€…Alterations in mitochondrial function in huntingtonâ€™s disease fibroblasts. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A19.2-A19.	1.9	0
110	L12â€…Sulforaphane reduces the level of exogenous mutated huntingtin protein in normal human fibroblasts. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A94.1-A94.	1.9	2
111	The model homologue of the partially defective human 5,10-methylenetetrahydrofolate reductase, considered as a risk factor for stroke due to increased homocysteine level, can be protected and reactivated by heat shock proteins. Metabolic Brain Disease, 2016, 31, 1041-1045.	2.9	3
112	Anti-Hsp90 therapy in autoimmune and inflammatory diseases: a review of preclinical studies. Cell Stress and Chaperones, 2016, 21, 213-218.	2.9	76
113	Lesions in the wingless gene of the Apollo butterfly (Parnassius apollo, Lepidoptera: Papilionidae) individuals with deformed or reduced wings, coming from the isolated population in Pieniny (Poland). Gene, 2016, 576, 820-822.	2.2	5
114	Cell cycle is disturbed in mucopolysaccharidosis type II fibroblasts, and can be improved by genistein. Gene, 2016, 585, 100-103.	2.2	23
115	MmoSTI restriction endonuclease, isolated from Morganella morganii infecting a tropical moth, Actias selene, cleaving 5â€²-|CCNGG-3â€² sequences. Journal of Applied Genetics, 2016, 57, 143-149.	1.9	1
116	A lack of Wolbachia-specific DNA in samples from apollo butterfly (Parnassius apollo, Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 271-274.	1.9	8
117	Changes is genes coding for laccases 1 and 2 may contribute to deformation and reduction of wings in apollo butterfly (Parnassius apollo, Lepidoptera: Papilionidae) from the isolated population in Pieniny National Park (Poland).. Acta Biochimica Polonica, 2016, 63, 177-180.	0.5	3
118	Modulation of expression of genes involved in glycosaminoglycan metabolism and lysosome biogenesis by flavonoids. Scientific Reports, 2015, 5, 9378.	3.3	44
119	A small, microRNA-size, ribonucleic acid regulating gene expression and development of Shiga toxin-converting bacteriophage Î¦24Î². Scientific Reports, 2015, 5, 10080.	3.3	40
120	UV-Sensitivity of Shiga Toxin-Converting Bacteriophage Virions Î¦24B, 933W, P22, P27 and P32. Toxins, 2015, 7, 3727-3739.	3.4	14
121	A Simple and Rapid Procedure for the Detection of Genes Encoding Shiga Toxins and Other Specific DNA Sequences. Toxins, 2015, 7, 4745-4757.	3.4	5
122	A new species of clearwing moth (Lepidoptera: Sesiidae: Osminiini) fromÂPeninsular Malaysia, exhibiting bee-like morphology and behaviour. Zootaxa, 2015, 4032, 426-34.	0.5	14
123	Genistein inhibits activities of methylenetetrahydrofolate reductase and lactate dehydrogenase, enzymes which use NADH as a substrate. Biochemical and Biophysical Research Communications, 2015, 465, 363-367.	2.1	7
124	A rapidly progressing, deadly disease of Actias selene (Indian moon moth) larvae associated with a mixed bacterial and baculoviral infection. Journal of Biosciences, 2015, 40, 487-495.	1.1	3
125	Activities of genes controlling sphingolipid metabolism in human fibroblasts treated with flavonoids. Metabolic Brain Disease, 2015, 30, 1257-1267.	2.9	9
126	Effects of flavonoids on expression of genes involved in cell cycle regulation and DNA replication in human fibroblasts. Molecular and Cellular Biochemistry, 2015, 407, 97-109.	3.1	15

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127	Baltic cyanobacteria â€“ a source of biologically active compounds. European Journal of Phycology, 2015, 50, 343-360.	2.0	43
128	Hydrophobicity of protein determinants influences the recognition of substrates by EDEM1 and EDEM2 in human cells. BMC Cell Biology, 2015, 16, 1.	3.0	20
129	Defects in RNA polyadenylation impair both lysogenization by and lytic development of Shiga toxin-converting bacteriophages. Journal of General Virology, 2015, 96, 1957-1968.	2.9	21
130	Selective inhibition of cancer cells' proliferation by compounds included in extracts from Baltic Sea cyanobacteria. Toxicon, 2015, 108, 1-10.	1.6	24
131	Effects of partial silencing of genes coding for enzymes involved in glycolysis and tricarboxylic acid cycle on the enterance of human fibroblasts to the S phase. BMC Cell Biology, 2015, 16, 16.	3.0	31
132	Transformation of Shewanella baltica with ColE1-like and P1 plasmids and their maintenance during bacterial growth in cultures. Plasmid, 2015, 81, 42-49.	1.4	9
133	Enzymes of the central carbon metabolism: Are they linkers between transcription, DNA replication, and carcinogenesis?. Medical Hypotheses, 2015, 84, 58-67.	1.5	15
134	Riboregulation of the bacterial actin-homolog MreB by DsrA small noncoding RNA. Integrative Biology (United Kingdom), 2015, 7, 128-141.	1.3	18
135	Small regulatory RNAs in lambdoid bacteriophages and phage-derived plasmids: Not only antisense. Plasmid, 2015, 78, 71-78.	1.4	9
136	Combined Therapies for Lysosomal Storage Diseases. Current Molecular Medicine, 2015, 15, 746-771.	1.3	16
137	Personality and genes: remarks from a biological perspective. Current Issues in Personality Psychology, 2014, 3, 133-140.	0.5	1
138	Bacteriophage T4 can produce progeny virions in extremely slowly growingEscherichia colihost: comparison of a mathematical model with the experimental data. FEMS Microbiology Letters, 2014, 351, 156-161.	1.8	42
139	Antibacterial activity of lichen secondary metabolite usnic acid is primarily caused by inhibition of RNA and DNA synthesis. FEMS Microbiology Letters, 2014, 353, 57-62.	1.8	71
140	The Phytoestrogen Genistein Modulates Lysosomal Metabolism and Transcription Factor EB (TFEB) Activation. Journal of Biological Chemistry, 2014, 289, 17054-17069.	3.4	115
141	A dual promoter system regulating Î» DNA replication initiation. Nucleic Acids Research, 2014, 42, 4450-4462.	14.5	6
142	Phenethyl Isothiocyanate Inhibits Shiga Toxin Production in Enterohemorrhagic Escherichia coli by Stringent Response Induction. Antimicrobial Agents and Chemotherapy, 2014, 58, 2304-2315.	3.2	24
143	Factors and processes modulating phenotypes in neuronopathic lysosomal storage diseases. Metabolic Brain Disease, 2014, 29, 1-8.	2.9	20
144	The role of EDEM2 compared with EDEM1Âin ricin transport from the endoplasmic reticulum to the cytosol. Biochemical Journal, 2014, 457, 485-496.	3.7	13

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145	Hfq protein deficiency in Escherichia coli affects ColE1-like but not Î» plasmid DNA replication. Plasmid, 2014, 73, 10-15.	1.4	23
146	The use of fosmid metagenomic libraries in preliminary screening for various biological activities. Microbial Cell Factories, 2014, 13, 105.	4.0	13
147	Inhibition of biofilm formation by conformationally constrained indole-based analogues of the marine alkaloid oroidin. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2530-2534.	2.2	28
148	Different Expression Patterns of Genes from the Exo-Xis Region of Bacteriophage Î» and Shiga Toxin-Converting Bacteriophage Ð24B following Infection or Prophage Induction in Escherichia coli. PLoS ONE, 2014, 9, e108233.	2.5	19
149	Replicating DNA by cell factories: roles of central carbon metabolism and transcription in the control of DNA replication in microbes, and implications for understanding this process in human cells. Microbial Cell Factories, 2013, 12, 55.	4.0	18
150	The mRNA level of the transforming growth factor Î²1 gene, but not the amount of the gene product, can be considered as a potential prognostic parameter in inflammatory bowel diseases in children. International Journal of Colorectal Disease, 2013, 28, 165-172.	2.2	3
151	Evaluation of mutagenic and antimutagenic properties of new derivatives of pyrrolidine-2,5-dione with anti-epileptic activity, by use of the Vibrio harveyi mutagenicity test. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 758, 18-22.	1.7	16
152	Genes from the exoâ€“xis region of Î» and Shiga toxin-converting bacteriophages influence lysogenization and prophage induction. Archives of Microbiology, 2013, 195, 693-703.	2.2	26
153	An improved method for efficient isolation and purification of genomic DNA from filamentous cyanobacteria belonging to genera Anabaena, Nodularia and Nostoc. Oceanological and Hydrobiological Studies, 2013, 42, 8-13.	0.7	3
154	Proteomic profiles and kinetics of development of bacteriophage T4 and its rI and rIII mutants in slowly growing Escherichia coli. Journal of General Virology, 2013, 94, 896-905.	2.9	13
155	Different effects of ppGpp on Escherichia coli DNA replication in vivo and in vitro. FEBS Open Bio, 2013, 3, 161-164.	2.3	25
156	A regulatory role for Staphylococcus aureus toxinâ€“antitoxin system PemIKSa. Nature Communications, 2013, 4, 2012.	12.8	53
157	The Axe-Txe Complex of Enterococcus faecium Presents a Multilayered Mode of Toxin-Antitoxin Gene Expression Regulation. PLoS ONE, 2013, 8, e73569.	2.5	15
158	Mucopolysaccharidosis type <scp>III</scp> (<scp>S</scp>anfilippo syndrome) and misdiagnosis of idiopathic developmental delay, attention deficit/hyperactivity disorder or autism spectrum disorder. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, 462-470.	1.5	102
159	Amino acid residues crucial for specificity of toxinâ€“antitoxin interactions in the homologous <scp>A</scp>xeâ€“<scp>T</scp>xe and <scp>Y</scp>ef<scp>M</scp>â€“<scp>Y</scp>oe<scp>B</scp> complexes. FEBS Journal, 2013, 280, 5906-5918.	4.7	15
160	ppGpp-Dependent Negative Control of DNA Replication of Shiga Toxin-Converting Bacteriophages in Escherichia coli. Journal of Bacteriology, 2013, 195, 5007-5015.	2.2	26
161	Inhibition of Development of Shiga Toxinâ€“Converting Bacteriophages by Either Treatment with Citrate or Amino Acid Starvation. Foodborne Pathogens and Disease, 2012, 9, 13-19.	1.8	21
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