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	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
2	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
3	Genistein-mediated inhibition of glycosaminoglycan synthesis as a basis for gene expression-targeted isoflavone therapy for mucopolysaccharidoses. European Journal of Human Genetics, 2006, 14, 846-852.	2.8	161
4	Differential antibacterial activity of genistein arising from global inhibition of DNA, RNA and protein synthesis in some bacterial strains. Archives of Microbiology, 2006, 184, 271-278.	2.2	121
5	Genistein Improves Neuropathology and Corrects Behaviour in a Mouse Model of Neurodegenerative Metabolic Disease. PLoS ONE, 2010, 5, e14192.	2.5	121
6	The Phytoestrogen Genistein Modulates Lysosomal Metabolism and Transcription Factor EB (TFEB) Activation. Journal of Biological Chemistry, 2014, 289, 17054-17069.	3.4	115
7	Pseudolysogeny. Advances in Virus Research, 2012, 82, 339-349.	2.1	112
8	Genistein-mediated inhibition of glycosaminoglycan synthesis, which corrects storage in cells of patients suffering from mucopolysaccharidoses, acts by influencing an epidermal growth factor-dependent pathway. Journal of Biomedical Science, 2009, 16, 26.	7.0	102
9	Genistein in Sanfilippo disease: A randomized controlled crossover trial. Annals of Neurology, 2012, 71, 110-120.	5.3	102
10	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
11	Phage therapy: Current status and perspectives. Medicinal Research Reviews, 2020, 40, 459-463.	10.5	102
12	Differential efficiency of induction of various lambdoid prophages responsible for production of Shiga toxins in response to different induction agents. Microbial Pathogenesis, 2009, 47, 289-298.	2.9	93
13	Genistin-rich soy isoflavone extract in substrate reduction therapy for Sanfilippo syndrome: An open-label, pilot study in 10 pediatric patients. Current Therapeutic Research, 2008, 69, 166-179.	1.2	92
14	Genistein reduces lysosomal storage in peripheral tissues of mucopolysaccharide IIIB mice. Molecular Genetics and Metabolism, 2009, 98, 235-242.	1.1	90
15	Hydrogen peroxide-mediated induction of the Shiga toxinconverting lambdoid prophage ST2-8624 inEscherichia coliO157:H7. FEMS Immunology and Medical Microbiology, 2010, 58, 322-329.	2.7	90
16	Functional domains of DnaA proteins. Biochimie, 1999, 81, 819-825.	2.6	89
17	Altruism of Shiga toxin-producing Escherichia coli: recent hypothesis versus experimental results. Frontiers in Cellular and Infection Microbiology, 2012, 2, 166.	3.9	87
18	Phage display and other peptide display technologies. FEMS Microbiology Reviews, 2022, 46, .	8.6	87

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19	Bacterial replication initiator DnaA. Rules for DnaA binding and rolesof DnaA in origin unwinding and helicase loading. Biochimie, 2001, 83, 5-12.	2.6	86
20	Bacteriophages carrying Shiga toxin genes: genomic variations, detection and potential treatment of pathogenic bacteria. Future Microbiology, 2011, 6, 909-924.	2.0	82
21	Simple Method for Plating Escherichia coli Bacteriophages Forming Very Small Plaques or No Plaques under Standard Conditions. Applied and Environmental Microbiology, 2008, 74, 5113-5120.	3.1	81
22	Effects of the presence of ColE1 plasmid DNA in Escherichia coli on the host cell metabolism. Microbial Cell Factories, 2006, 5, 34.	4.0	78
23	ppGpp inhibits the activity of Escherichia coli DnaG primase. Plasmid, 2010, 63, 61-67.	1.4	76
24	Anti-Hsp90 therapy in autoimmune and inflammatory diseases: a review of preclinical studies. Cell Stress and Chaperones, 2016, 21, 213-218.	2.9	76
25	Genetic Switches During Bacteriophage Î» Development. Progress in Molecular Biology and Translational Science, 2005, 79, 1-48.	1.9	74
26	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
27	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
28	Stress responses and replication of plasmids in bacterial cells. Microbial Cell Factories, 2002, 1, 2.	4.0	65
29	Autophagy stimulation as a promising approach in treatment of neurodegenerative diseases. Metabolic Brain Disease, 2018, 33, 989-1008.	2.9	65
30	The Escherichia Coli Hfq Protein: An Unattended DNA-Transactions Regulator. Frontiers in Molecular Biosciences, 2016, 3, 36.	3.5	64
31	Ascaridoidea: a simple DNA assay for identification of 11 species infecting marine and freshwater fish, mammals, and fish-eating birds. Experimental Parasitology, 2002, 101, 35-39.	1.2	62
32	Phage Î»â€”New Insights into Regulatory Circuits. Advances in Virus Research, 2012, 82, 155-178.	2.1	61
33	Replication of Plasmids during Bacterial Response to Amino Acid Starvation. Plasmid, 1999, 41, 1-16.	1.4	59
34	Experimental Evidence for the Physiological Role of Bacterial Luciferase in the Protection of Cells Against Oxidative Stress. Current Microbiology, 2003, 47, 379-382.	2.2	59
35	Vibrio harveyi bioluminescence plays a role in stimulation of DNA repair We would like to dedicate this paper to the memory of Karol Taylor, who introduced V. harveyi projects to our laboratories.. Microbiology (United Kingdom), 2000, 146, 283-288.	1.8	59
36	Inheritance of the replication complex by one of two daughter copies during Î» plasmid replication in Escherichia coli. Journal of Molecular Biology, 1992, 226, 681-688.	4.2	58

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37	Effective inhibition of lytic development of bacteriophages lambda, P1 and T4 by starvation of their host, Escherichia coli. BMC Biotechnology, 2007, 7, 13.	3.3	54
38	Genistein: a natural isoflavone with a potential for treatment of genetic diseases. Biochemical Society Transactions, 2010, 38, 695-701.	3.4	54
39	Correction of Huntingtonâ€™s Disease Phenotype by Genistein-Induced Autophagy in the Cellular Model. NeuroMolecular Medicine, 2018, 20, 112-123.	3.4	54
40	A regulatory role for Staphylococcus aureus toxinâ€“antitoxin system PemIKSa. Nature Communications, 2013, 4, 2012.	12.8	53
41	Effects of flavonoids on glycosaminoglycan synthesis: implications for substrate reduction therapy in Sanfilippo disease and other mucopolysaccharidoses. Metabolic Brain Disease, 2011, 26, 1-8.	2.9	52
42	How close are we to therapies for Sanfilippo disease?. Metabolic Brain Disease, 2018, 33, 1-10.	2.9	52
43	Two-year follow-up of Sanfilippo Disease patients treated with a genistein-rich isoflavone extract: Assessment of effects on cognitive functions and general status of patients. Medical Science Monitor, 2011, 17, CR196-CR202.	1.1	51
44	Substrate deprivation therapy: a new hope for patients suffering from neuronopathic forms of inherited lysosomal storage diseases. Journal of Applied Genetics, 2007, 48, 383-388.	1.9	50
45	A role for bacteriophage T4 rI gene function in the control of phage development during pseudolysogeny and in slowly growing host cells. Research in Microbiology, 2003, 154, 547-552.	2.1	48
46	Impairment of glycosaminoglycan synthesis in mucopolysaccharidosis type IIIA cells by using siRNA: a potential therapeutic approach for Sanfilippo disease. European Journal of Human Genetics, 2010, 18, 200-205.	2.8	48
47	Why are behaviors of children suffering from various neuronopathic types of mucopolysaccharidoses different?. Medical Hypotheses, 2010, 75, 605-609.	1.5	48
48	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
49	Stringent control of replication of plasmids derived from coliphage Î». Molecular Genetics and Genomics, 1991, 225, 94-98.	2.4	46
50	Evaluation of biofilm production and prevalence of theicaDgene in methicillin-resistant and methicillin-susceptibleStaphylococcus aureusstrains isolated from patients with nosocomial infections and carriers. FEMS Immunology and Medical Microbiology, 2007, 50, 375-379.	2.7	46
51	Improvement in the range of joint motion in seven patients with mucopolysaccharidosis type II during experimental gene expressionâ€targeted isoflavone therapy (GET IT). American Journal of Medical Genetics, Part A, 2011, 155, 2257-2262.	1.2	46
52	Characterization of a bacteriophage, vB_Eco4M-7, that effectively infects many Escherichia coli O157 strains. Scientific Reports, 2020, 10, 3743.	3.3	46
53	Regulation of Bacteriophage Î» Development by Guanosine 5â€²-Diphosphate-3â€²-diphosphate. Virology, 1999, 262, 431-441.	2.4	45
54	Bacteriophage-Derived Depolymerases against Bacterial Biofilm. Antibiotics, 2021, 10, 175.	3.7	45

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55	Modulation of expression of genes involved in glycosaminoglycan metabolism and lysosome biogenesis by flavonoids. Scientific Reports, 2015, 5, 9378.	3.3	44
56	Female Fabry disease patients and X-chromosome inactivation. Gene, 2018, 641, 259-264.	2.2	44
57	Inhibition of spontaneous induction of lambdoid prophages in Escherichia coli cultures: simple procedures with possible biotechnological applications. BMC Biotechnology, 2001, 1, 1.	3.3	43
58	Alleviation of mutagenic effects of polycyclic aromatic agents (quinacrine mustard, ICR-191 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Mutagenesis, 2003, 530, 47-57.	1.0	43
59	Baltic cyanobacteria â€“ a source of biologically active compounds. European Journal of Phycology, 2015, 50, 343-360.	2.0	43
60	Stability of coliphage Î» DNA replication initiator, the Î»O protein. Journal of Molecular Biology, 1992, 226, 675-680.	4.2	42
61	Growthâ€rate dependent RNA polyadenylation in Escherichia coli. EMBO Reports, 2003, 4, 172-177.	4.5	42
62	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
63	Bacteriophage-encoded enzymes destroying bacterial cell membranes and walls, and their potential use as antimicrobial agents. Microbiological Research, 2021, 248, 126746.	5.3	42
64	Medium design for plasmid DNA production based on stoichiometric model. Process Biochemistry, 2001, 36, 1085-1093.	3.7	41
65	Comparison of the Ames test and a newly developed assay for detection of mutagenic pollution of marine environments. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 519, 67-74.	1.7	41
66	Genetic response to metabolic fluctuations: correlation between central carbon metabolism and DNA replication in Escherichia coli. Microbial Cell Factories, 2011, 10, 19.	4.0	41
67	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
68	Post mortem identification of deoxyguanosine kinase (DGUOK) gene mutations combined with impaired glucose homeostasis and iron overload features in four infants with severe progressive liver failure. Journal of Applied Genetics, 2011, 52, 61-66.	1.9	40
69	A small, microRNA-size, ribonucleic acid regulating gene expression and development of Shiga toxin-converting bacteriophage Î¦24Î». Scientific Reports, 2015, 5, 10080.	3.3	40
70	A reliable method for storage of tailed phages. Journal of Microbiological Methods, 2011, 84, 486-489.	1.6	39
71	Changes in cellular processes occurring in mucopolysaccharidoses as underestimated pathomechanisms of these diseases. Cell Biology International, 2021, 45, 498-506.	3.0	39
72	Involvement of the Escherichia coli RNA polymerase Î± subunit in transcriptional activation by the bacteriophage lambda CI and CII proteins. Gene, 1992, 122, 1-7.	2.2	38

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73	Differential Replication of Plasmids during Stringent and Relaxed Response of Escherichia coli. Plasmid, 1994, 32, 89-94.	1.4	38
74	Neither absence nor excess of ? O initiator-digesting ClpXP protease affects ? plasmid or phage replication in Escherichia coli. Molecular Microbiology, 1994, 13, 469-474.	2.5	38
75	Correlation between severity of mucopolysaccharidoses and combination of the residual enzyme activity and efficiency of glycosaminoglycan synthesis. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 743-749.	1.5	38
76	Oxidative Stress in Shiga Toxin Production by EnterohemorrhagicEscherichia coli. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	4.0	38
77	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
78	The cell surface protein Ag43 facilitates phage infection of Escherichia coli in the presence of bile salts and carbohydrates. Microbiology (United Kingdom), 2002, 148, 1533-1542.	1.8	38
79	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
80	Bacteriophage contamination: is there a simple method to reduce its deleterious effects in laboratory cultures and biotechnological factories?. Journal of Applied Genetics, 2004, 45, 111-20.	1.9	37
81	Transcriptional activation of the origin of coliphage Î» DNA replication is regulated by the host DnaA initiator function. Gene, 1995, 154, 47-50.	2.2	36
82	Drug-resistant epilepsia and fulminant valproate liver toxicity. Alpers-Huttenlocher syndrome in two children confirmed post mortem by identification of p.W748S mutation in POLG gene. Medical Science Monitor, 2011, 17, CR203-CR209.	1.1	35
83	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
84	Differential inhibition of transcription from Ïƒ70- and Ïƒ32-dependent promoters by rifampicin. FEBS Letters, 1998, 440, 172-174.	2.8	34
85	Architecture of the streptomyces lividans DnaA protein-replication origin complexes. Journal of Molecular Biology, 2000, 298, 351-364.	4.2	34
86	Studies on recovery plasmid DNA from Echerichia coli by heat treatment. Process Biochemistry, 2002, 38, 199-206.	3.7	34
87	Antibacterial and antioxidant activity of the secondary metabolites from in vitro cultures of the Alice sundew (Drosera aliciae). Biotechnology and Applied Biochemistry, 2009, 53, 175-184.	3.1	34
88	Biodegradation of nodularin and effects of the toxin on bacterial isolates from the Gulf of GdaÅ„sk. Water Research, 2009, 43, 2801-2810.	11.3	34
89	Methylxanthines (caffeine, pentoxifylline and theophylline) decrease the mutagenic effect of daunomycin, doxorubicin and mitoxantrone.. Acta Biochimica Polonica, 2005, 52, 923-926.	0.5	34
90	Improved HPLC method for total plasma homocysteine detection and quantification.. Acta Biochimica Polonica, 2008, 55, 119-126.	0.5	34

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91	Impaired chromosome partitioning and synchronization of DNA replication initiation in an insertional mutant in the Vibrio harveyi cgtA gene coding for a common GTP-binding protein. Biochemical Journal, 2002, 362, 579-584.	3.7	33
92	Ferroptosis and Its Modulation by Autophagy in Light of the Pathogenesis of Lysosomal Storage Diseases. Cells, 2021, 10, 365.	4.1	33
93	A single point mutation in ricin A-chain increases toxin degradation and inhibits EDEM1-dependent ER retrotranslocation. Biochemical Journal, 2011, 436, 371-385.	3.7	32
94	Glycosaminoglycans and mucopolysaccharidosis type III. Frontiers in Bioscience - Landmark, 2016, 21, 1393-1409.	3.0	32
95	Multiple Mechanisms of Transcription Inhibition by ppGpp at the Î»p R Promoter. Journal of Biological Chemistry, 2002, 277, 43785-43791.	3.4	31
96	Stimulation of DNA repair as an evolutionary drive for bacterial luminescence. Luminescence, 2003, 18, 140-144.	2.9	31
97	Transcription from bacteriophage Â pR promoter is regulated independently and antagonistically by DksA and ppGpp. Nucleic Acids Research, 2009, 37, 6655-6664.	14.5	31
98	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
99	SeqA, the Escherichia coli origin sequestration protein, is also a specific transcription factor. Molecular Microbiology, 2001, 40, 1371-1379.	2.5	30
100	Overexpression of the cgtA (yhbZ , obgE) Gene, Coding for an Essential GTP-Binding Protein, Impairs the Regulation of Chromosomal Functions in Escherichia coli. Current Microbiology, 2002, 45, 440-445.	2.2	30
101	SeqA-mediated stimulation of a promoter activity by facilitating functions of a transcription activator. Molecular Microbiology, 2003, 47, 1669-1679.	2.5	30
102	Prevalence of polymorphisms in OPG, RANKL and RANK as potential markers for Charcot arthropathy development. Scientific Reports, 2017, 7, 501.	3.3	30
103	Detection of bacteriophage infection and prophage induction in bacterial cultures by means of electric DNA chips. Analytical Biochemistry, 2004, 324, 84-91.	2.4	29
104	Plasmids Derived from Lambdoid Bacteriophages as Models for Studying Replication of Mobile Genetic Elements Responsible for the Production of Shiga Toxins by Pathogenic <i>Escherichia coli </i>Strains. Journal of Molecular Microbiology and Biotechnology, 2009, 17, 211-220.	1.0	29
105	A Model for Regulation of ColE1-like Plasmid Replication by Uncharged tRNAs in Amino Acid-Starved Escherichia coli Cells. Plasmid, 2002, 47, 69-78.	1.4	28
106	Homocysteine level and metabolism in ischemic stroke in the population of Northern Poland. Clinical Biochemistry, 2009, 42, 442-447.	1.9	28
107	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
108	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

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109	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
110	Induction of light emission by luminescent bacteria treated with UV light and chemical mutagens. Journal of Applied Genetics, 2002, 43, 377-89.	1.9	28
111	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
112	Phage Therapy: Beyond Antibacterial Action. Frontiers in Medicine, 2018, 5, 146.	2.6	27
113	Bioluminescence-mediated stimulation of photoreactivation in bacteria. FEMS Microbiology Letters, 2005, 250, 105-110.	1.8	26
114	Substrate Reduction Therapies for Mucopolysaccharidoses. Current Pharmaceutical Biotechnology, 2011, 12, 1860-1865.	1.6	26
115	Coupling of transcription and replication machineries in Î» DNA replication initiation: evidence for direct interaction of Escherichia coli RNA polymerase and the Î»O protein. Nucleic Acids Research, 2011, 39, 168-177.	14.5	26
116	Effect of rapid cessation of enzyme replacement therapy: A report of 5 cases and a review of the literature. Molecular Genetics and Metabolism, 2012, 107, 508-512.	1.1	26
117	Molecular analysis of mucopolysaccharidosis type VI in Poland, Belarus, Lithuania and Estonia. Molecular Genetics and Metabolism, 2012, 105, 237-243.	1.1	26
118	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
119	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
120	Impaired chromosome partitioning and synchronization of DNA replication initiation in an insertional mutant in the Vibrio harveyi cgtA gene coding for a common GTP-binding protein. Biochemical Journal, 2002, 362, 579.	3.7	25
121	Toxicity of the bacteriophage Î» cII gene product to Escherichia coli arises from inhibition of host cell DNA replication. Virology, 2003, 313, 622-628.	2.4	25
122	The Use of Elevated Doses of Genistein-Rich Soy Extract in the Gene Expression-Targeted Isoflavone Therapy for Sanfilippo Disease Patients. JIMD Reports, 2011, 5, 21-25.	1.5	25
123	Novel ZnO-binding peptides obtained by the screening of a phage display peptide library. Journal of Nanoparticle Research, 2012, 14, 1218.	1.9	25
124	Different effects of ppGpp on Escherichia coli DNA replication in vivo and in vitro. FEBS Open Bio, 2013, 3, 161-164.	2.3	25
125	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
126	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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127	A Vibrio harveyi insertional mutant in the cgtA (obg, yhbZ) gene, whose homologues are present in diverse organisms ranging from bacteria to humans and are essential genes in many bacterial species. Microbiology (United Kingdom), 2001, 147, 183-191.	1.8	25
128	Plasmid and host functions required for Î» plasmid replication carried out by the inherited replication complex. Molecular Genetics and Genomics, 1995, 247, 501-508.	2.4	24
129	Role of the RNA polymerase Â subunits in CII-dependent activation of the bacteriophage Â pE promoter: identification of important residues and positioning of the Â C-terminal domains. Nucleic Acids Research, 2004, 32, 834-841.	14.5	24
130	Is tRNA only a translation factor or also a regulator of other processes?. Journal of Applied Genetics, 2008, 49, 115-122.	1.9	24
131	Replication of plasmids derived from Shiga toxin-converting bacteriophages in starved Escherichia coli. Microbiology (United Kingdom), 2011, 157, 220-233.	1.8	24
132	Mutations in central carbon metabolism genes suppress defects in nucleoid position and cell division of replication mutants in Escherichia coli. Gene, 2012, 503, 31-35.	2.2	24
133	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
134	Selective inhibition of cancer cells' proliferation by compounds included in extracts from Baltic Sea cyanobacteria. Toxicon, 2015, 108, 1-10.	1.6	24
135	Molecular action of isoflavone genistein in the human epithelial cell line HaCaT. PLoS ONE, 2018, 13, e0192297.	2.5	24
136	Inheritance of the replication complex: a unique or common phenomenon in the control of DNA replication?. Archives of Microbiology, 2001, 175, 86-93.	2.2	23
137	Abnormalities in the hair morphology of patients with some but not all types of mucopolysaccharidoses. European Journal of Pediatrics, 2008, 167, 203-209.	2.7	23
138	Mutagenicity of quaternary ammonium salts containing carbohydrate moieties. Journal of Hazardous Materials, 2011, 193, 272-278.	12.4	23
139	Hfq protein deficiency in Escherichia coli affects ColE1-like but not Î» plasmid DNA replication. Plasmid, 2014, 73, 10-15.	1.4	23
140	Cell cycle is disturbed in mucopolysaccharidosis type II fibroblasts, and can be improved by genistein. Gene, 2016, 585, 100-103.	2.2	23
141	Amplification of Î» plasmids in Escherichia coli relA mutants. Journal of Biotechnology, 1995, 43, 139-143.	3.8	22
142	Sensitivity of dark mutants of various strains of luminescent bacteria to reactive oxygen species. Archives of Microbiology, 2005, 183, 203-208.	2.2	22
143	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
144	Genetic Base of Behavioral Disorders in Mucopolysaccharidoses: Transcriptomic Studies. International Journal of Molecular Sciences, 2020, 21, 1156.	4.1	22

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145	The Obg subfamily of bacterial GTP-binding proteins: essential proteins of largely unknown functions that are evolutionarily conserved from bacteria to humans.. Acta Biochimica Polonica, 2005, 52, 35-43.	0.5	22
146	ClpP/ClpX-mediated degradation of the bacteriophage Î» O protein and regulation of Î» phage and Î» plasmid replication. Archives of Microbiology, 2000, 174, 89-96.	2.2	21
147	Interplay Between DnaA and SeqA Proteins During Regulation of Bacteriophage Î» pR Promoter Activity. Journal of Molecular Biology, 2003, 329, 59-68.	4.2	21
148	The Mechanism of Regulation of Bacteriophage Î» pR Promoter Activity by Escherichia coli DnaA Protein. Journal of Biological Chemistry, 2003, 278, 22250-22256.	3.4	21
149	Rapid deterioration of a patient with mucopolysaccharidosis type I during interruption of enzyme replacement therapy. American Journal of Medical Genetics, Part A, 2007, 143A, 1925-1927.	1.2	21
150	Different amounts of isoflavones in various commercially available soy extracts in the light of gene expressionâ€targeted isoflavone therapy. Phytotherapy Research, 2010, 24, S109-13.	5.8	21
151	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
152	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
153	Characteristics of a Series of Three Bacteriophages Infecting Salmonella enterica Strains. International Journal of Molecular Sciences, 2020, 21, 6152.	4.1	21
154	Phageâ€“Bacteria Interactions in Potential Applications of Bacteriophage vB_EfaS-271 against Enterococcus faecalis. Viruses, 2021, 13, 318.	3.3	21
155	Regulation of the switch from early to late bacteriophage Î» DNA replication. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	21
156	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
157	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
158	Polyadenylation of oop RNA in the regulation of bacteriophage Î» development. Gene, 1998, 212, 57-65.	2.2	20
159	Chloramphenicol-Sensitive Escherichia coli Strain Expressing the Chloramphenicol Acetyltransferase (cat) Gene. Antimicrobial Agents and Chemotherapy, 2001, 45, 3610-3612.	3.2	20
160	TheypdIgene codes for a putative lipoprotein involved in the synthesis of colanic acid inEscherichia coli. FEMS Microbiology Letters, 2004, 235, 265-271.	1.8	20
161	DNA replication defect in the Escherichia coli cgtA(ts) mutant arising from reduced DnaA levels. Archives of Microbiology, 2006, 185, 340-347.	2.2	20
162	Switch from Î¸ to Ïƒ replication of bacteriophage Î» DNA: factors involved in the process and a model for its regulation. Molecular Genetics and Genomics, 2007, 278, 65-74.	2.1	20

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163	Synthetic genistein derivatives as modulators of glycosaminoglycan storage. Journal of Translational Medicine, 2012, 10, 153.	4.4	20
164	Factors and processes modulating phenotypes in neuronopathic lysosomal storage diseases. Metabolic Brain Disease, 2014, 29, 1-8.	2.9	20
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