

JÃ;n TurÅ^a

List of Publications by Year in descending order

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113
papers

1,511
citations

331670

21
h-index

414414

32
g-index

122
all docs

122
docs citations

122
times ranked

2249
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Physiology and Pathophysiology of Antimicrobial Peptides. <i>Molecular Medicine</i> , 2009, 15, 51-59.	4.4	96
2	Canine Degenerative Myelopathy. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 2010, 40, 929-950.	1.5	96
3	Regulation of the citrate synthase (gltA) gene of <i>Escherichia coli</i> in response to anaerobiosis and carbon supply: role of the arcA gene product. <i>Journal of Bacteriology</i> , 1994, 176, 5086-5092.	2.2	93
4	Analysis of the DNA region mediating increased thermotolerance at 58°C in <i>Cronobacter</i> sp. and other enterobacterial strains. <i>Antonie Van Leeuwenhoek</i> , 2011, 100, 279-289.	1.7	60
5	Effects of Auxins on PIN-FORMED2 (PIN2) Dynamics Are Not Mediated by Inhibiting PIN2 Endocytosis. <i>Plant Physiology</i> , 2016, 172, 1019-1031.	4.8	49
6	Salivary DNA and markers of oxidative stress in patients with chronic periodontitis. <i>Clinical Oral Investigations</i> , 2015, 19, 201-207.	3.0	46
7	Proteomic analysis of the TerC interactome: Novel links to tellurite resistance and pathogenicity. <i>Journal of Proteomics</i> , 2016, 136, 167-173.	2.4	41
8	Phage therapy of <i>Cronobacter</i> -induced urinary tract infection in mice. <i>Medical Science Monitor</i> , 2011, 17, BR173-BR178.	1.1	36
9	DNA sequence analysis of the tellurite-resistance determinant from clinical strain of <i>Escherichia coli</i> and identification of essential genes. <i>BioMetals</i> , 2000, 13, 135-139.	4.1	33
10	Complete nucleotide sequence and genome analysis of bacteriophage BFK20 – A lytic phage of the industrial producer <i>Brevibacterium flavum</i> . <i>Virology</i> , 2006, 348, 57-71.	2.4	32
11	Antibiotic resistance and virulence factors among clinical and food enterococci isolated in Slovakia. <i>Folia Microbiologica</i> , 2004, 49, 763-768.	2.3	31
12	Evaluation of different PCR-based approaches for the identification and typing of environmental enterococci. <i>Antonie Van Leeuwenhoek</i> , 2008, 93, 193-203.	1.7	30
13	Expression of Genes for Si Uptake, Accumulation, and Correlation of Si with Other Elements in Ionome of Maize Kernel. <i>Frontiers in Plant Science</i> , 2017, 8, 1063.	3.6	30
14	Biological and Biomedical aspects of Genetically modified food. <i>Biomedicine and Pharmacotherapy</i> , 2005, 59, 531-540.	5.6	29
15	Tellurium: A Rare Element with Influence on Prokaryotic and Eukaryotic Biological Systems. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5924.	4.1	29
16	High-level expression and purification of recombinant human growth hormone produced in soluble form in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2014, 100, 40-47.	1.3	26
17	In vivo and in vitro cloning and phenotype characterization of tellurite resistance determinant conferred by plasmid pTE53 of a clinical isolate of <i>Escherichia coli</i> . <i>Folia Microbiologica</i> , 1998, 43, 589-599.	2.3	25
18	Complex phenotypes blur conventional borders between Say – Barber – Biesecker – Young – Simpson syndrome and genitopatellar syndrome. <i>Clinical Genetics</i> , 2017, 91, 339-343.	2.0	25

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19	Arabidopsis Synaptotagmin 2 Participates in Pollen Germination and Tube Growth and Is Delivered to Plasma Membrane via Conventional Secretion. <i>Molecular Plant</i> , 2015, 8, 1737-1750.	8.3	23
20	Seasonal changes of circulating 25-hydroxyvitamin D correlate with the lower gut microbiome composition in inflammatory bowel disease patients. <i>Scientific Reports</i> , 2020, 10, 6024.	3.3	23
21	Salmonella-mediated gene therapy in experimental colitis in mice. <i>Experimental Biology and Medicine</i> , 2011, 236, 177-183.	2.4	22
22	Characterization of <i>Salmonella enterica</i> serovar Typhimurium strains of veterinary origin by molecular typing methods. <i>Veterinary Microbiology</i> , 2005, 109, 113-120.	1.9	21
23	Multiple regulatory genes in the salinomycin biosynthetic gene cluster of <i>Streptomyces albus</i> CCM 4719. <i>Folia Microbiologica</i> , 2007, 52, 359-65.	2.3	19
24	The prevalence of ABCB1:c.227_230delATAG mutation in affected dog breeds from European countries. <i>Research in Veterinary Science</i> , 2016, 106, 89-92.	1.9	19
25	A novel mutation in the <i>TYRP1</i> gene associated with brown coat colour in the Australian Shepherd Dog Breed. <i>Animal Genetics</i> , 2017, 48, 626-626.	1.7	19
26	Gene replacement techniques for <i>Escherichia coli</i> genome modification. <i>Folia Microbiologica</i> , 2011, 56, 253-263.	2.3	18
27	Fetal DNA in maternal plasma in preeclamptic pregnancies. <i>Hypertension in Pregnancy</i> , 2015, 34, 36-49.	1.1	18
28	Genetic Polymorphisms Related to Testosterone Metabolism in Intellectually Gifted Boys. <i>PLoS ONE</i> , 2013, 8, e54751.	2.5	18
29	The contribution of tellurite resistance genes to the fitness of <i>Escherichia coli</i> uropathogenic strains. <i>Open Life Sciences</i> , 2007, 2, 182-191.	1.4	17
30	Contribution of the thermotolerance genomic island to increased thermal tolerance in <i>Cronobacter</i> strains. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 405-414.	1.7	17
31	The use of transformed <i>Escherichia coli</i> for experimental angiogenesis induced by regulated in situ production of vascular endothelial growth factor – an alternative gene therapy. <i>Medical Hypotheses</i> , 2005, 64, 505-511.	1.5	16
32	Variability in occurrence of multiple prophage genes in <i>Salmonella</i> Typhimurium strains isolated in Slovak Republic. <i>FEMS Microbiology Letters</i> , 2007, 270, 237-244.	1.8	16
33	Characterisation of <i>Cronobacter</i> strains isolated from hospitalised adult patients. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1073-1085.	1.7	15
34	Combination of Fetal Fraction Estimators Based on Fragment Lengths and Fragment Counts in Non-Invasive Prenatal Testing. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3959.	4.1	13
35	Transformation of Microorganisms with the Plasmid Vector with the Replicon from pAC1 from <i>Acetobacter pasteurianus</i> . <i>Biochemical and Biophysical Research Communications</i> , 1995, 206, 942-947.	2.1	12
36	PCR-Based methods for identification of <i>Enterococcus</i> species. <i>Folia Microbiologica</i> , 2002, 47, 649-653.	2.3	12

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37	Analysis of the tellurite resistance determinant on the pNT3B derivative of the pTE53 plasmid from uropathogenic Escherichia coli. <i>BioMetals</i> , 2006, 19, 453-460.	4.1	12
38	On the origin of reactive oxygen species and antioxidative mechanisms in <i>Enterococcus faecalis</i> . <i>Redox Report</i> , 2010, 15, 202-206.	4.5	12
39	Association of biochemical parameters and RAGE gene polymorphisms in healthy infants and their mothers. <i>Clinica Chimica Acta</i> , 2010, 411, 1034-1040.	1.1	12
40	Proteomic Differences between Tellurite-Sensitive and Tellurite-Resistant <i>E.coli</i> . <i>PLoS ONE</i> , 2013, 8, e78010.	2.5	12
41	Modulation of heterologous expression from P BAD promoter in <i>Escherichia coli</i> production strains. <i>Journal of Biotechnology</i> , 2016, 236, 1-9.	3.8	12
42	Assessment of environmental enterococci: bacterial antagonism, pathogenic capacity and antibiotic resistance. <i>Antonie Van Leeuwenhoek</i> , 2008, 94, 555-562.	1.7	11
43	Multiplex PCR amplification of 13 microsatellite loci for <i>Aquila chrysaetos</i> in forensic applications. <i>Biologia (Poland)</i> , 2010, 65, 1081-1088.	1.5	11
44	Circulating free fetal nucleic acids in maternal plasma and preeclampsia. <i>Medical Hypotheses</i> , 2010, 74, 1030-1032.	1.5	11
45	The Effects of Anti-Inflammatory and Anti-Angiogenic DNA Vaccination on Diabetic Nephropathy in Rats. <i>Human Gene Therapy</i> , 2012, 23, 158-166.	2.7	11
46	Optimization of the fermentation and downstream processes for human enterokinase production in <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1927-1934.	3.6	11
47	Effective collaborative environment with live broadcasts using Slovak National telepresence infrastructure. , 2017, , .		11
48	Comparison of simple expression procedures in novel expression host <i>Vibrio natriegens</i> and established <i>Escherichia coli</i> system. <i>Journal of Biotechnology</i> , 2020, 321, 57-67.	3.8	11
49	Characterization and genome sequence of Dev2, a new T7-like bacteriophage infecting <i>Cronobacter turicensis</i> . <i>Archives of Virology</i> , 2014, 159, 3013-3019.	2.1	10
50	<i>Actin3</i> promoter reveals undulating F-actin bundles at shanks and dynamic F-actin meshworks at tips of tip-growing pollen tubes. <i>Plant Signaling and Behavior</i> , 2016, 11, e1146845.	2.4	10
51	Mean and variance of ratios of proportions from categories of a multinomial distribution. <i>Journal of Statistical Distributions and Applications</i> , 2018, 5, .	1.2	10
52	Characterization of Dev-CD-23823 and Dev-CT57, new Autographivirinae bacteriophages infecting <i>Cronobacter</i> spp.. <i>Archives of Virology</i> , 2019, 164, 1383-1391.	2.1	10
53	Current state and prospects of biotechnology in Central and Eastern European countries. Part I: Visegrad countries (CZ, H, PL, SK). <i>Critical Reviews in Biotechnology</i> , 2019, 39, 114-136.	9.0	10
54	Characterization of Clinical and Carrier <i>Streptococcus agalactiae</i> and Prophage Contribution to the Strain Variability. <i>Viruses</i> , 2020, 12, 1323.	3.3	10

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55	Construction of shuttle vectors for cloning in <i>Escherichia coli</i> and <i>Acetobacter pasteurianus</i> . <i>Folia Microbiologica</i> , 1992, 37, 395-400.	2.3	9
56	Characterization of the Replicon from Plasmid pAC1 from <i>Acetobacter pasteurianus</i> . <i>Biochemical and Biophysical Research Communications</i> , 1993, 191, 26-31.	2.1	9
57	The experience from implementation of National telepresence infrastructure in Slovakia to support research, development and technology transfer. , 2016, , .		9
58	Enhanced Interoperability with New Collaborative and Streaming Functions Implemented in Slovak National Telepresence Infrastructure (NTI). , 2018, , .		9
59	Excision of selectable marker genes from transgenic crops as a concern for environmental biosafety. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 2547-2554.	3.5	8
60	Adaptable Model Parameters in Non-Invasive Prenatal Testing Lead to More Stable Predictions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3414.	4.1	8
61	Oral <i>in vivo</i> Bactofection in Dextran Sulfate Sodium Treated Female Wistar Rats. <i>Folia Biologica</i> , 2010, 58, 171-176.	0.5	8
62	Sequence analysis and gene amplification study of the penicillin biosynthesis gene cluster from different strains of <i>Penicillium chrysogenum</i> . <i>Biologia (Poland)</i> , 2010, 65, 1-6.	1.5	7
63	Study of membrane attachment and <i>in vivo</i> co-localization of TerB protein from uropathogenic <i>Escherichia coli</i> KL53. <i>General Physiology and Biophysics</i> , 2011, 30, 286-292.	0.9	6
64	Upstream regulatory regions controlling the expression of the <i>Candida utilis</i> maltase gene. <i>Journal of Biotechnology</i> , 2014, 189, 136-142.	3.8	6
65	Endosidin 2 accelerates PIN2 endocytosis and disturbs intracellular trafficking of PIN2, PIN3, and PIN4 but not of SYT1. <i>PLoS ONE</i> , 2020, 15, e0237448.	2.5	6
66	Testosterone and estradiol in maternal plasma and their relation to fetal sex. <i>Prenatal Diagnosis</i> , 2010, 30, 806-807.	2.3	5
67	Does maternal saliva contain fetal DNA usable for prenatal diagnostics?. <i>Medical Hypotheses</i> , 2010, 74, 258-260.	1.5	5
68	Protein-protein association and cellular localization of four essential gene products encoded by tellurite resistance-conferring cluster from pathogenic <i>Escherichia coli</i> . <i>Antonie Van Leeuwenhoek</i> , 2013, 104, 899-911.	1.7	5
69	Expression of soluble <i>Saccharomyces cerevisiae</i> alcohol dehydrogenase in <i>Escherichia coli</i> applicable to oxido-reduction bioconversions. <i>Biologia (Poland)</i> , 2014, 69, 722-726.	1.5	5
70	The ploidy determination of the biotechnologically important yeast <i>Candida utilis</i> . <i>Journal of Applied Genetics</i> , 2020, 61, 275-286.	1.9	5
71	Preparation of highly purified mitochondria of <i>Neurospora crassa</i> on a Percoll gradient. <i>Folia Microbiologica</i> , 1983, 28, 409-413.	2.3	4
72	Core promoters of the penicillin biosynthesis genes and quantitative RT-PCR analysis of these genes in high and low production strain of <i>Penicillium chrysogenum</i> . <i>Folia Microbiologica</i> , 2010, 55, 126-132.	2.3	4

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73	The role of TerW protein in the tellurite resistance of uropathogenic Escherichia coli. <i>Biologia (Poland)</i> , 2011, 66, 565-573.	1.5	4
74	Structure of the has Operon Promoter and the Effect of Mutations on the has Promoter Strength in <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> . <i>Molecular Biotechnology</i> , 2011, 49, 166-175.	2.4	4
75	Food-borne enterococci and their resistance to oxidative stress. <i>Journal of Microbiology</i> , 2011, 49, 657-662.	2.8	4
76	Does phage P22 contribute to resistance of <i>Salmonella</i> to oxidative stress?. <i>Medical Hypotheses</i> , 2012, 79, 484-486.	1.5	4
77	Optimization of expression of untagged and histidine-tagged human recombinant thrombin precursors in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9259-9270.	3.6	4
78	Characterization of mitochondrial DNA topoisomerase I from <i>Neurospora crassa</i> . <i>Folia Microbiologica</i> , 1994, 39, 105-111.	2.3	3
79	Vectors with the fd replicon for in vivo cloning and analysis of genes. <i>Gene</i> , 1994, 151, 103-108.	2.2	3
80	PCR cloning and sequencing of the coding portion of the thioredoxin encoding gene from <i>Streptomyces aureofaciens</i> BMK. <i>Gene</i> , 1994, 138, 263-264.	2.2	3
81	Recombinant Enzymatic Redox Systems for Preparation of Aroma Compounds by Biotransformation. <i>Frontiers in Microbiology</i> , 2021, 12, 684640.	3.5	3
82	ApaCI, an isoschizomer of BamHI isolated from <i>Acetobacter pasteurianus</i> . <i>Nucleic Acids Research</i> , 1992, 20, 3513-3513.	14.5	2
83	Enhanced alpha - amylase production by chromosomal integration of pTVA1 in industrial strain in <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 1993, 15, 483-488.	2.2	2
84	Cloning of <i>E. coli</i> penicillin G acylase gene with mini-Mu containing a plasmid replicon. <i>Biotechnology Letters</i> , 1995, 17, 13-18.	2.2	2
85	Overexpression of the FNR protein of <i>Escherichia coli</i> with T7 expression system. <i>Folia Microbiologica</i> , 1998, 43, 601-604.	2.3	2
86	<i>Escherichia coli</i> strain with a deletion of the chromosomal <i>ampC</i> gene marked with TcR, suitable for production of penicillin G acylase. <i>Folia Microbiologica</i> , 1999, 44, 625-628.	2.3	2
87	Nucleotide sequence of the gene encoding the major capsid protein of herpesvirus of turkeys. <i>Virus Genes</i> , 2000, 20, 107-115.	1.6	2
88	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 1893-1897.	2.2	2
89	Comparative study of two forms of <i>aroA</i> CP4 gene in <i>Escherichia coli</i> . <i>Biologia (Poland)</i> , 2007, 62, 265-269.	1.5	2
90	The relationship between selected VDR gene polymorphisms and susceptibility to inflammatory bowel disease in Slovak population. <i>Biologia (Poland)</i> , 2019, 74, 573-581.	1.5	2

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91	Admixed phenotype of NEDD4L associated periventricular nodular heterotopia. <i>Medicine (United States)</i> , 2012, 87, 1073-1078.	1.0	2
92	Isolation of a new restriction enzyme, ApaCI, an isoschizomer of BamHI produced by <i>Acetobacter pasteurianus</i> . <i>Folia Microbiologica</i> , 1992, 37, 353-356.	2.3	1
93	Some properties of restriction endonuclease ApaBI from <i>Acetobacter pasteurianus</i> . <i>BBA - Proteins and Proteomics</i> , 1993, 1162, 323-325.	2.1	1
94	Effect of the anticancer drug oracin on mouse liver topoisomerases I and II. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 657-659.	2.4	1
95	Tellurite-reduction-based assay for screening potential antibiotics. <i>Journal of Medical Microbiology</i> , 2012, 61, 160-161.	1.8	1
96	Current status of biotechnology in Slovakia. <i>Current Opinion in Biotechnology</i> , 2013, 24, S14-S18.	6.6	1
97	Mutations in the TYRP1 gene and their effect on coat colour in dogs. <i>Journal of Biotechnology</i> , 2015, 208, S39-S40.	3.8	1
98	Utilization of specialized ICT infrastructure in the processes of science management in Slovakia. , 2017, , ,		1
99	<i>Vibrio natriegens</i> – an effective tool for protein production. <i>New Biotechnology</i> , 2018, 44, S77.	4.4	1
100	Effect of recombinant catalase AfKatG as an additive in growth media of food strains. <i>Journal of Biotechnology</i> , 2018, 280, S60.	3.8	1
101	Cloning and transfer of sucrase operon in <i>Escherichia coli</i> . <i>Journal of Microbiological Methods</i> , 1996, 26, 119-124.	1.6	0
102	Phylogenetic analysis of therpLA genes encoding ribosomal protein L1. <i>Folia Microbiologica</i> , 2001, 46, 99-106.	2.3	0
103	APEX microarray panel for genotyping polymorphisms in cancer chemotherapy and estimation frequencies in a Slovak population. <i>Pharmacogenomics</i> , 2011, 12, 577-592.	1.3	0
104	Expression of soluble recombinant human growth hormone in <i>Escherichia coli</i> cultures using shake-flask, batch and fed-batch cultivation. <i>New Biotechnology</i> , 2014, 31, S192.	4.4	0
105	Preparation of human growth hormone in <i>Pichia pastoris</i> under a constitutive promoter. <i>New Biotechnology</i> , 2014, 31, S191.	4.4	0
106	Expression of recombinant formate dehydrogenase in <i>Escherichia coli</i> and its immobilization onto magnetic nano-particles. <i>New Biotechnology</i> , 2014, 31, S201-S202.	4.4	0
107	Strategy for on-column refolding of human recombinant His-tagged prethrombin-2 produced using the <i>Escherichia coli</i> -based expression system. <i>New Biotechnology</i> , 2014, 31, S191.	4.4	0
108	Mutation in heat shock transcription factor 4 associated with canine hereditary cataract. <i>Journal of Biotechnology</i> , 2015, 208, S40.	3.8	0

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109	Cronobacter spp. specific bacteriophages as a tool for food safety. Journal of Biotechnology, 2015, 208, S20.	3.8	0
110	Variability of the thermotolerance genomic island present in Cronobacter spp.. Journal of Biotechnology, 2015, 208, S74.	3.8	0
111	Purification of small-size acidic proteoglycan-like domain of carbonic anhydrase IX fused with thioredoxine expressed in Escherichia coli for structural characterization. Biologia (Poland), 2017, 72, 1240-1246.	1.5	0
112	Possibilities of Stereological Analysis of Grain Boundary Orientation in Longitudinal Sections of Precision Cold Drawn Seamless Steel Tubes. Materials Science Forum, 0, 891, 51-54.	0.3	0
113	Occurrence of the dominant black <i>K^B</i> allele of <i>CBD103</i> in German Shepherd Dogs. Animal Genetics, 2022, 53, 230-231.	1.7	0