MichaÅ, Arabski

List of Publications by Year
in descending order

58 papers	1,354 citations	361413 20 h-index	361022 35 g-index
62 all docs	62 docs citations	62 times ranked	2019 citing authors

#	Article	IF	Citations
1	DNA damage and repair in type 2 diabetes mellitus. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 554, 297-304.	1.0	200
2	The O-specific polysaccharide lyase from the phage LKA1 tailspike reduces Pseudomonas virulence. Scientific Reports, 2017, 7, 16302.	3.3	88
3	Basal, oxidative and alkylative DNA damage, DNA repair efficacy and mutagen sensitivity in breast cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 554, 139-148.	1.0	86
4	A proposed integrated approach for the preclinical evaluation of phage therapy in Pseudomonas infections. Scientific Reports, 2016, 6, 28115.	3.3	86
5	Effect of surface modification of silica nanoparticles on toxicity and cellular uptake by human peripheral blood lymphocytes in vitro. Nanotoxicology, 2013, 7, 235-250.	3.0	83
6	Characterization of the Newly Isolated Lytic Bacteriophages KTN6 and KT28 and Their Efficacy against Pseudomonas aeruginosa Biofilm. PLoS ONE, 2015, 10, e0127603.	2.5	69
7	Effects of Saponins against ClinicalE. coliStrains and Eukaryotic Cell Line. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-6.	3.0	68
8	DNA damage and repair in gastric cancerâ€"A correlation with the hOGG1 and RAD51 genes polymorphisms. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 601, 83-91.	1.0	55
9	Antitumor Activity of Pt(II), Ru(III) and Cu(II) Complexes. Molecules, 2020, 25, 3492.	3.8	36
10	Laser interferometric and cultivation methods for measurement of colistin/ampicilin and saponin interactions with smooth and rough of Proteus mirabilis lipopolysaccharides and cells. Journal of Microbiological Methods, 2009, 77, 178-183.	1.6	35
11	DNA damage and repair in Helicobacter pylori-infected gastric mucosa cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 570, 129-135.	1.0	34
12	Ciprofloxacin, amoxicillin, and aminoglycosides stimulate genetic and phenotypic changes in uropathogenic Escherichia coli strains. Virulence, 2019, 10, 260-276.	4.4	33
13	Selective cytotoxicity and antifungal properties of copper(II) and cobalt(II) complexes with imidazole-4-acetate anion or 1-allylimidazole. Scientific Reports, 2019, 9, 9777.	3.3	31
14	Laser interferometric determination of ampicillin and colistin transfer through cellulose biomembrane in the presence of Proteus vulgaris O25 lipopolysaccharide. Journal of Membrane Science, 2007, 299, 268-275.	8.2	30
15	Pseudomonas aeruginosa PA5oct Jumbo Phage Impacts Planktonic and Biofilm Population and Reduces Its Host Virulence. Viruses, 2019, 11, 1089.	3.3	29
16	Interaction of amoxicillin with DNA in human lymphocytes and H. pylori-infected and non-infected gastric mucosa cells. Chemico-Biological Interactions, 2005, 152, 13-24.	4.0	27
17	DNA damage in human colonic mucosa cells evoked by nickel and protective action of quercetin - involvement of free radicals?. Cell Biology and Toxicology, 2002, 18, 279-288.	5.3	25
18	Emerging Phage Resistance in Pseudomonas aeruginosa PAO1 Is Accompanied by an Enhanced Heterogeneity and Reduced Virulence. Viruses, 2021, 13, 1332.	3.3	23

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19	Modelling experimentally measured of ciprofloxacin antibiotic diffusion in Pseudomonas aeruginosa biofilm formed in artificial sputum medium. PLoS ONE, 2020, 15, e0243003.	2.5	22
20	The influence of cationic dendrimers on antibacterial activity of phage endolysin against P. aeruginosa cells. Bioorganic Chemistry, 2019, 91, 103121.	4.1	21
21	Dendronized Silver Nanoparticles as Bacterial Membrane Permeabilizers and Their Interactions With P. aeruginosa Lipopolysaccharides, Lysozymes, and Phage-Derived Endolysins. Frontiers in Microbiology, 2019, 10, 2771.	3.5	21
22	The use of lysozyme modified with fluorescein for the detection of Gram-positive bacteria. Microbiological Research, 2015, 170, 242-247.	5.3	20
23	Application of TXRF and XRPD techniques for analysis of elemental and chemical composition of human kidney stones. X-Ray Spectrometry, 2017, 46, 412-420.	1.4	19
24	Laser interferometry analysis of ciprofloxacin and ampicillin diffusion from liposomal solutions to water phase. European Biophysics Journal, 2013, 42, 549-558.	2.2	16
25	The Antibacterial Effect of PEGylated Carbosilane Dendrimers on P. aeruginosa Alone and in Combination with Phage-Derived Endolysin. International Journal of Molecular Sciences, 2022, 23, 1873.	4.1	16
26	The presence of anti-LPS antibodies and human serum activity against Proteus mirabilis S/R forms in correlation with TLR4 (Thr399Ile) gene polymorphism in rheumatoid arthritis. Clinical Biochemistry, 2012, 45, 1374-1382.	1.9	14
27	Morphological changes in Proteus mirabilis O18 biofilm under the influence of a urease inhibitor and a homoserine lactone derivative. Archives of Microbiology, 2014, 196, 169-177.	2.2	13
28	New Approach to Antifungal Activity of Fluconazole Incorporated into the Porous 6-Anhydro-Î±-l-Galacto-Î²-d-Galactan Structures Modified with Nanohydroxyapatite for Chronic-Wound Treatmentsâ€"In Vitro Evaluation. International Journal of Molecular Sciences, 2021, 22, 3112.	4.1	13
29	Binding and biological properties of lipopolysaccharide Proteus vulgaris O25 (48/57)â€"chitosan complexes. Carbohydrate Polymers, 2009, 78, 481-487.	10.2	10
30	Are anti-Helicobacter pylori urease antibodies involved in atherosclerotic diseases?. Clinical Biochemistry, 2010, 43, 115-123.	1.9	10
31	PEGylation of dendronized silver nanoparticles increases the binding affinity of antimicrobial proteins. Journal of Molecular Liquids, 2020, 319, 114339.	4.9	9
32	Helicobacter pylori infection can modulate the susceptibility of gastric mucosa cells to MNNG. Cellular and Molecular Biology Letters, 2006, 11, 570-8.	7.0	8
33	Human complement activation by smooth and rough Proteus mirabilis lipopolysaccharides. Archivum Immunologiae Et Therapiae Experimentalis, 2009, 57, 383-391.	2.3	8
34	Imatinib (STI571) Inhibits DNA Repair in Human Leukemia Oncogenic Tyrosine Kinase-Expressing Cells. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 896-902.	1.4	7
35	The properties of chitosan complexes with smooth and rough forms of lipopolysaccharides on CHO-K1 cells. Carbohydrate Polymers, 2013, 97, 284-292.	10.2	7
36	The effects of nickel(II) complexes with imidazole derivatives on pyocyanin and pyoverdine production by Pseudomonas aeruginosa strains isolated from cystic fibrosis. Acta Biochimica Polonica, 2015, 62, 739-745.	0.5	6

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37	Fatty Acid Methyl Esters of the Aerophytic Cave Alga Coccomyxa subglobosa as a Source for Biodiesel Production. Energies, 2020, 13, 6494.	3.1	6
38	Influence of gravitational field on substance transport in gels. Journal of Membrane Science, 2010, 365, 341-346.	8.2	5
39	Effects of Proteus mirabilis Lipopolysaccharides with Different O-Polysaccharide Structures on the Plasma Membrane of Human Erythrocytes. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2008, 63, 460-468.	1.4	4
40	Laser interferometric analysis ofâ€¯glucose and sucrose diffusion inâ€¯agarose gel. General Physiology and Biophysics, 2014, 33, 383-391.	0.9	4
41	Synthesis, physicochemical and biological characterization of Ni(II) complex with imidazole-4-acetate anion as new antifungal agent. Journal of Chemical Sciences, 2018, 130, 1.	1.5	4
42	The correlation of crystalline and elemental composition of urinary stones with a history of bacterial infections: TXRF, XRPD and PCR-DGGE studies. European Biophysics Journal, 2019, 48, 111-118.	2.2	4
43	Coralyne Radiosensitizes A549 Cells by Upregulation of CDKN1A Expression to Attenuate Radiation Induced G2/M Block of the Cell Cycle. International Journal of Molecular Sciences, 2021, 22, 5791.	4.1	4
44	Analysis of ciprofloxacin and gentamicin diffusion in Proteus mirabilis O18 biofilm by laser interferometry method.. Acta Biochimica Polonica, 2013, 60, .	0.5	4
45	Laser Interferometry Analysis of Ciprofloxacin Diffusion through Pseudomonas aeruginosa Biofilm. Clinical Microbiology (Los Angeles, Calif), 2012, 02, .	0.2	4
46	Analysis of ciprofloxacin and gentamicin diffusion in Proteus mirabilis O18 biofilm by laser interferometry method. Acta Biochimica Polonica, 2013, 60, 707-11.	0.5	4
47	Serotyping of clinical isolates belonging toProteus mirabilisserogroup O36 and structural elucidation of the O36-antigen polysaccharide. FEMS Immunology and Medical Microbiology, 2008, 53, 395-403.	2.7	3
48	Poly(propylene imine) dendrimers can bind to PEGylated albumin at PEG and albumin surface: Biophysical examination of a PEGylated platform to transport cationic dendritic nanoparticles. Biopolymers, 2020, 111, e23386.	2.4	3
49	Spectroscopic and Small-angle X-ray scattering analysis of binding between Copper(II) â^'1-allylimidazole complex, a potential anti-tumor agent, and bovine serum albumin. Bioorganic Chemistry, 2021, 116, 105327.	4.1	3
50	Modification biological activity of S and R forms of Proteus mirabilis and Burkholderia cepacia lipopolysaccharides by carrageenans. Carbohydrate Polymers, 2016, 149, 408-414.	10.2	2
51	Experimental and Theoretical Analysis of Metal Complex Diffusion through Cell Monolayer. Entropy, 2021, 23, 360.	2.2	2
52	Gasdermin family proteins as a permeabilization factor of cell membrane in pyroptosis process. Postepy Higieny I Medycyny Doswiadczalnej, 2021, 75, 337-344.	0.1	2
53	Chromosomal Radiosensitivity in Lymphocytes of Cervix Cancer Patientsâ€"Correlation with Side Effect after Radiotherapy. , 2010, , .		0
54	Subdiffusive Model of Released Substance from a Spherical Medium. Acta Physica Polonica B, 2014, 45, 1907.	0.8	0

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55	Testing Sorption Properties of Halloysite by Means of the Laser Interferometry Method. Current Topics in Biophysics, 2015, 37, 43-47.	0.3	0
56	Laser Interferometric Method in the Measurement of Lipopolisaccharides Interactions with Antibacterial Compounds. Clinical Microbiology (Los Angeles, Calif), 2012, 02, .	0.2	0
57	Laser Interferometric Determination of Liposomes Diffusion Through Artificial Membranes. , 0, , .		0
58	Laser Interferometry Method as a Novel Tool in Endotoxins Research. Methods in Molecular Biology, 2017, 1600, 125-132.	0.9	0