

Dagmar Hegerová

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

776
citations

516710

16
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1578
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the effects of silver phosphate and selenium nanoparticles on <i>Staphylococcus aureus</i> growth reveals potential for selenium particles to prevent infection. <i>FEMS Microbiology Letters</i> , 2014, 351, 195-201.	1.8	69
2	<i>Staphylococcus aureus</i> and MRSA Growth and Biofilm Formation after Treatment with Antibiotics and SeNPs. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24656-24672.	4.1	68
3	Complexes of Silver(I) Ions and Silver Phosphate Nanoparticles with Hyaluronic Acid and/or Chitosan as Promising Antimicrobial Agents for Vascular Grafts. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13592-13614.	4.1	62
4	Platinum nanoparticles induce damage to DNA and inhibit DNA replication. <i>PLoS ONE</i> , 2017, 12, e0180798.	2.5	60
5	Relevance of infection with human papillomavirus: The role of the p53 tumor suppressor protein and E6/E7 zinc finger proteins. <i>International Journal of Oncology</i> , 2013, 43, 1754-1762.	3.3	57
6	The effect of metal ions on <i>Staphylococcus aureus</i> revealed by biochemical and mass spectrometric analyses. <i>Microbiological Research</i> , 2015, 170, 147-156.	5.3	51
7	3D-printed chip for detection of methicillin-resistant <i>Staphylococcus aureus</i> labeled with gold nanoparticles. <i>Electrophoresis</i> , 2015, 36, 457-466.	2.4	51
8	Effect of Ampicillin, Streptomycin, Penicillin and Tetracycline on Metal Resistant and Non-Resistant <i>Staphylococcus aureus</i> . <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 3233-3255.	2.6	45
9	The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , 2015, 8, 2994-3011.	2.9	38
10	Biological Activity and Molecular Structures of Bis(benzimidazole) and Trithiocyanurate Complexes. <i>Molecules</i> , 2015, 20, 10360-10376.	3.8	38
11	Antibody-free detection of infectious bacteria using quantum dots-based barcode assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 325-332.	2.8	38
12	Fullerene as a transporter for doxorubicin investigated by analytical methods and in vivo imaging. <i>Electrophoresis</i> , 2014, 35, 1040-1049.	2.4	32
13	Novel vancomycin-peptide conjugate as potent antibacterial agent against vancomycin-resistant <i>Staphylococcus aureus</i> . <i>Infection and Drug Resistance</i> , 2018, Volume 11, 1807-1817.	2.7	28
14	Remote-controlled robotic platform ORPHEUS as a new tool for detection of bacteria in the environment. <i>Electrophoresis</i> , 2014, 35, 2333-2345.	2.4	23
15	An Effect of Cadmium and Lead Ions on <i>Escherichia coli</i> with the Cloned Gene for Metallothionein (MT-3) Revealed by Electrochemistry. <i>Electrochimica Acta</i> , 2014, 140, 11-19.	5.2	18
16	Antimicrobial Agent Based on Selenium Nanoparticles and Carboxymethyl Cellulose for the Treatment of Bacterial Infections. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 767-777.	1.1	18
17	Effects of Stratospheric Conditions on the Viability, Metabolism and Proteome of Prokaryotic Cells. <i>Atmosphere</i> , 2015, 6, 1290-1306.	2.3	15
18	Complexes of Metal-Based Nanoparticles with Chitosan Suppressing the Risk of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> Infections. , 2015, , 217-232.		12

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19	Particle-based immunochemical separation of methicillin resistant <i>Staphylococcus aureus</i> with indirect electrochemical detection of labeling oligonucleotides. <i>Analytical Methods</i> , 2016, 8, 5123-5128.	2.7	12
20	Influence of microbiome species in hard-to-heal wounds on disease severity and treatment duration. <i>Brazilian Journal of Infectious Diseases</i> , 2015, 19, 604-613.	0.6	11
21	Study of Linkage between Glutathione Pathway and the Antibiotic Resistance of <i>Escherichia coli</i> from Patients' Swabs. <i>International Journal of Molecular Sciences</i> , 2015, 16, 7210-7229.	4.1	8
22	Effect of arsenic (III and V) on oxidative stress parameters in resistant and susceptible <i>Staphylococcus aureus</i> . <i>Environmental Research</i> , 2018, 166, 394-401.	7.5	8
23	Antimicrobial nanomaterials in the food industry.. <i>Kvasn½ PrÁmysl</i> , 2015, 61, 51-56.	0.2	7
24	Nanoparticles Suitable for BCAA Isolation Can Serve for Use in Magnetic Lipoplex-Based Delivery System for L, I, V, or R-rich Antimicrobial Peptides. <i>Materials</i> , 2016, 9, 260.	2.9	3
25	Mechanisms of Uptake and Interaction of Platinum Based Drugs in Eukaryotic Cells. <i>Environmental Science and Engineering</i> , 2015, , 401-415.	0.2	2
26	Lead Ions Encapsulated in Liposomes and Their Effect on <i>Staphylococcus aureus</i> . <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 6687-6700.	2.6	1
27	Prion protein and its interactions with metal ions (Cu ²⁺ , Zn ²⁺ , and Cd ²⁺) and metallothionein 3. <i>ADMET and DMPK</i> , 2015, 3, .	2.1	1