

Antimicrobial activity of metals: mechanisms, molecular

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metal ions in macrophage antimicrobial pathways: emerging roles for zinc and copper. <i>Bioscience Reports</i> , 2013, 33, .	1.1	158
2	Fine-Tuning the Antimicrobial Profile of Biocompatible Gold Nanoparticles by Sequential Surface Functionalization Using Polyoxometalates and Lysine. <i>PLoS ONE</i> , 2013, 8, e79676.	1.1	113
3	Mechanistic Study of Manganese-Substituted Glycerol Dehydrogenase Using a Kinetic and Thermodynamic Analysis. <i>PLoS ONE</i> , 2014, 9, e99162.	1.1	5
4	Fenton chemistry at aqueous interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 623-628.	3.3	275
5	Promises and failures of gallium as an antibacterial agent. <i>Future Microbiology</i> , 2014, 9, 379-397.	1.0	131
6	Elucidating the genetic basis for <i>Escherichia coli</i> defense against silver toxicity using mutant arrays. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 993-997.	2.2	16
7	Antibacterial Surface Treatment for Orthopaedic Implants. <i>International Journal of Molecular Sciences</i> , 2014, 15, 13849-13880.	1.8	264
8	Growth Kinetics and Mechanistic Action of Reactive Oxygen Species Released by Silver Nanoparticles from <i>Aspergillus niger</i> on <i>Escherichia coli</i> . <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	74
9	Compatibility balanced antibacterial modification based on vapor-deposited parylene coatings for biomaterials. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8496-8503.	2.9	25
10	Heavy Metals and Metalloids As a Cause for Protein Misfolding and Aggregation. <i>Biomolecules</i> , 2014, 4, 252-267.	1.8	316
11	Materials selection for gas sensing. An HSAB perspective. , 2014, , .		1
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14	Antimicrobial Contact Lenses and Lens Cases. <i>Eye and Contact Lens</i> , 2014, 40, 312-324.	0.8	33
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16	Synthesis, characterization and antimicrobial activities of sodium salt of L-histidinatoargentate(I) derived from the pH 11 solution. <i>Polyhedron</i> , 2014, 80, 151-156.	1.0	3
17	Mixed-Species Biofilms Cultured from an Oil Sand Tailings Pond can Biomineralize Metals. <i>Microbial Ecology</i> , 2014, 68, 70-80.	1.4	32
18	Mineralogical variables that control the antibacterial effectiveness of a natural clay deposit. <i>Environmental Geochemistry and Health</i> , 2014, 36, 613-631.	1.8	56
19	Hybrid Antibacterial Fabrics with Extremely High Aspect Ratio Ag/AgTCNQ Nanowires. <i>Advanced Functional Materials</i> , 2014, 24, 1047-1053.	7.8	86

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20	Five reasons to use bacteria when assessing manufactured nanomaterial environmental hazards and fates. <i>Current Opinion in Biotechnology</i> , 2014, 27, 73-78.	3.3	82
21	Components from wheat roots modify the bioactivity of ZnO and CuO nanoparticles in a soil bacterium. <i>Environmental Pollution</i> , 2014, 187, 65-72.	3.7	36
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23	Nanosilver-based antibacterial drugs and devices: Mechanisms, methodological drawbacks, and guidelines. <i>Chemical Society Reviews</i> , 2014, 43, 1501-1518.	18.7	662
24	Slow release of ions from internalized silver nanoparticles modifies the epidermal growth factor signaling response. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 136-142.	2.5	39
25	Facile, One-Pot Synthesis, and Antibacterial Activity of Mesoporous Silica Nanoparticles Decorated with Well-Dispersed Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12038-12045.	4.0	172
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