

# New Strategies in the Development of Antimicrobial Co Usage of Silver and Silver Nanoparticles

Polymers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of monodispersed silver nanoparticles on graphene oxide sheets with enhanced antibacterial activity. <i>New Journal of Chemistry</i> , 2011, 35, 1418.	1.4	193
2	Carboxyl-ebesen-based layer-by-layer films as potential antithrombotic and antimicrobial coatings. <i>Biomaterials</i> , 2011, 32, 7774-7784.	5.7	66
3	Mini-review: Antimicrobial central venous catheters – recent advances and strategies. <i>Biofouling</i> , 2011, 27, 609-620.	0.8	60
4	Layer-by-layer nanocoating of chlorophene-loaded polymeric micelles on silicone catheters. , 2012, , .		1
5	Biofilms: New Ideas for An Old Problem. <i>Recent Patents on Biotechnology</i> , 2012, 6, 13-22.	0.4	16
6	Dual-Functional ROMP-Based Betaines: Effect of Hydrophilicity and Backbone Structure on Nonfouling Properties. <i>Langmuir</i> , 2012, 28, 666-675.	1.6	74
7	In vitro evaluation of anti-pathogenic surface coating nanofluid, obtained by combining Fe <sub>3</sub> O <sub>4</sub> /C12 nanostructures and 2-((4-ethylphenoxy)methyl)-N-(substituted-phenylcarbamothioyl)-benzamides. <i>Nanoscale Research Letters</i> , 2012, 7, 513.	3.1	18
8	Fabrication of antibacterial silver nanoparticle–sodium alginate–chitosan composite films. <i>RSC Advances</i> , 2012, 2, 5837.	1.7	180
10	Aerosolized Antimicrobial Agents Based on Degradable Dextran Nanoparticles Loaded with Silver Carbene Complexes. <i>Molecular Pharmaceutics</i> , 2012, 9, 3012-3022.	2.3	49
11	Characterization and evaluation of silver release from four different dressings used in burns care. <i>Burns</i> , 2012, 38, 1131-1142.	1.1	60
12	Decreased bacteria activity on Si <sub>3</sub> N <sub>4</sub> surfaces compared with PEEK or titanium. <i>International Journal of Nanomedicine</i> , 2012, 7, 4829.	3.3	93
13	Resorcinarene Bis–Thiacrowns: Prospective Host Molecules for Silver Encapsulation. <i>Chemistry - an Asian Journal</i> , 2012, 7, 809-817.	1.7	8
14	The application of layered double hydroxide clay (LDH)-poly(lactide-co-glycolic acid) (PLGA) film composites for the controlled release of antibiotics. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1705-1713.	1.7	46
15	Efficacy of silver treated catheters for haemodialysis in preventing bacterial adhesion. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1983-1990.	1.7	41
16	Silver nanoparticles: the powerful nanoweapon against multidrug-resistant bacteria. <i>Journal of Applied Microbiology</i> , 2012, 112, 841-852.	1.4	1,116
17	Hierarchically structured polymer blends based on silsesquioxane hybrid nanocomposites with quaternary ammonium units for antimicrobial coatings. <i>Materials Chemistry and Physics</i> , 2012, 134, 190-199.	2.0	19
18	Antibacterial coatings on poly(fluoroethylenepropylene) films via grafting of 3-hexadecyl-1-vinylimidazolium bromide. <i>Progress in Organic Coatings</i> , 2012, 73, 257-263.	1.9	14
19	Synthesis of silver nanostructures on polytetrafluoroethylene (PTFE) using electron beam irradiation for antimicrobial effect. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 586-590.	2.9	7

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21	Novel antibacterial silver-silica surface coatings prepared by chemical vapour deposition for infection control. <i>Journal of Applied Microbiology</i> , 2013, 115, 1107-1116.	1.4	31
22	Nanotechnology as a therapeutic tool to combat microbial resistance. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1803-1815.	6.6	1,048
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26	Polydopamine as an intermediate layer for silver and hydroxyapatite immobilisation on metallic biomaterials surface. <i>Materials Science and Engineering C</i> , 2013, 33, 4715-4724.	3.8	73
27	Enhanced Antibacterial Activity of Silver/Polyrhodanine-Composite-Decorated Silica Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 11563-11568.	4.0	91
28	Synthesis of silver nanoparticles by coastal plant <i>Prosopis chilensis</i> (L.) and their efficacy in controlling vibriosis in shrimp <i>Penaeus monodon</i> . <i>Applied Nanoscience (Switzerland)</i> , 2013, 3, 65-73.	1.6	56
29	Self-segregating hyperbranched polymer/silver nanoparticle hybrids in thermoplastic polyurethane films. <i>Journal of Applied Polymer Science</i> , 2013, 128, 4181-4188.	1.3	6
31	Silver as Antibacterial Agent: Ion, Nanoparticle, and Metal. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1636-1653.	7.2	1,839
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36	Enhancing antibacterial activity of surface-grafted chitosan with immobilized lysozyme on bioinspired stainless steel substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 11-21.	2.5	59
37	Electrochemically deposited chitosan/Ag complex coatings on biomedical NiTi alloy for antibacterial application. <i>Surface and Coatings Technology</i> , 2013, 232, 370-375.	2.2	49
38	Synthesis and characterization of novel simultaneous C and O-coordinated and nitrate-bridged complexes of silver( $\text{Ag}^+$ ) with carbonyl-stabilized sulfon ylides and their antibacterial activities. <i>Dalton Transactions</i> , 2013, 42, 2520-2529.	1.6	29

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49	Versatile Photochemical Surface Modification of Biopolyester Microfibrous Scaffolds with Photogenerated Silver Nanoparticles for Antibacterial Activity. <i>Advanced Healthcare Materials</i> , 2013, 2, 1008-1018.	3.9	37
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