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Antibacterial activity of polymeric substrate with surface grafted viologen moieties

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#	Paper	IF	Citations
89	Construction of anti-adhesive and antibacterial multilayer films via layer-by-layer assembly of heparin and chitosan. <i>Biomaterials</i> , 2005 , 26, 6684-92	15.6	401
88	Antibacterial and antifungal efficacy of surface functionalized polymeric beads in repeated applications. <i>Biotechnology and Bioengineering</i> , 2005 , 89, 474-84	4.9	62
87	Surface-initiated atom transfer radical polymerization on poly(vinylidene fluoride) membrane for antibacterial ability. <i>Macromolecular Bioscience</i> , 2005 , 5, 974-82	5.5	43
86	Layer-by-layer assembly of single-walled carbon nanotube/poly(viologen) derivative multilayers and their electrochemical properties. <i>Carbon</i> , 2006 , 44, 2115-2121	10.4	20
85	Antibacterial and mechanical properties of bone cement impregnated with chitosan nanoparticles. <i>Biomaterials</i> , 2006 , 27, 2440-9	15.6	304
84	Biologically active polymers: VII. Synthesis and antimicrobial activity of some crosslinked copolymers with quaternary ammonium and phosphonium groups. <i>Reactive and Functional Polymers</i> , 2006 , 66, 419-429	4.6	105
83	Antimicrobial surfaces of viologen-quaternized poly((2-dimethyl amino)ethyl methacrylate)-Si(100) hybrids from surface-initiated atom transfer radical polymerization. <i>Nanobiotechnology</i> , 2006 , 2, 123-134		21
82	Plasma-mediated grafting of poly(ethylene glycol) on polyamide and polyester surfaces and evaluation of antifouling ability of modified substrates. <i>Langmuir</i> , 2007 , 23, 7306-13	4	84
81	Modification of Surface-Oxidized Copper Alloy by Coupling of Viologens for Inhibiting Microbiologically Influenced Corrosion. <i>Journal of the Electrochemical Society</i> , 2007 , 154, C645	3.9	38
80	Antibacterial and Adsorption Characteristics of Activated Carbon Functionalized with Quaternary Ammonium Moieties. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 439-445	3.9	39
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76	Anti-bacterial and cytotoxic properties of plasma sprayed silver-containing HA coatings. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 3603-9	4.5	120
75	Study of oxidation after monoacrylate grafting on polyethylene. <i>Polymer International</i> , 2008 , 57, 957-964	3.3	2
74	Bacterial adhesion and osteoblast function on titanium with surface-grafted chitosan and immobilized RGD peptide. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 865-72	5.4	117
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71	Human bone marrow-derived mesenchymal stem cells and osteoblast differentiation on titanium with surface-grafted chitosan and immobilized bone morphogenetic protein-2. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 1-10	4.5	45
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