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Antibacterial and physical properties of poly(vinyl chloride)-based film coated with ZnO nanoparticles

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#	Paper	IF	Citations
90	Effects of poly(ethylene oxide) and ZnO nanoparticles on the morphology, tensile and thermal properties of cellulose acetate nanocomposite fibrous film. <i>Polymer Journal</i> , <b>2011</b> , 43, 978-986	2.7	31
89	Preparation and properties of poly(propylene carbonate) and nanosized ZnO composite films for packaging applications. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 1101-1108	2.9	92
88	Synthesis of nano ZnO thin film on Al foil by rf glow discharge plasma and its effect on E. coli and P. aeruginosa. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 108, 577-585	2.6	2
87	Antimicrobial, rheological, and physicochemical properties of sago starch films filled with nanorod-rich zinc oxide. <i>Journal of Food Engineering</i> , <b>2012</b> , 113, 511-519	6	149
86	Nanotechnology and Food Industry. <b>2012</b> ,		3
85	Antibacterial Surface Coatings from Zinc Oxide Nanoparticles Embedded in Poly(N-isopropylacrylamide) Hydrogel Surface Layers. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2376-2386	15.6	184
84	Effect of TiO <sub>2</sub> nanoparticles on the antibacterial and physical properties of polyethylene-based film. <i>Progress in Organic Coatings</i> , <b>2012</b> , 73, 219-224	4.8	132
83	Antimicrobial agents for food packaging applications. <i>Trends in Food Science and Technology</i> , <b>2013</b> , 33, 110-123	15.3	291
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81	Preparation and characterization of ZnO-deposited DBD plasma-treated PP packaging film with antibacterial activities. <i>Applied Surface Science</i> , <b>2013</b> , 273, 824-835	6.7	60
80	Physical-mechanical and antimicrobial properties of nanocomposite films with pediocin and ZnO nanoparticles. <i>Carbohydrate Polymers</i> , <b>2013</b> , 94, 199-208	10.3	135
79	Preparation and characterization of bionanocomposite films filled with nanorod-rich zinc oxide. <i>Carbohydrate Polymers</i> , <b>2013</b> , 96, 233-9	10.3	103
78	Synthesis, Characterization and Antibacterial Activity of Polylysine/PVA Biodegradable Film. <i>Advanced Materials Research</i> , <b>2013</b> , 834-836, 96-99	0.5	1
77	Properties and characterization of bionanocomposite films prepared with various biopolymers and ZnO nanoparticles. <i>Carbohydrate Polymers</i> , <b>2014</b> , 106, 190-9	10.3	283
76	Electrospun polycaprolactone/ZnO nanocomposite membranes as biomaterials with antibacterial and cell adhesion properties. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	182
75	Preparation and characterization of bionanocomposite films based on potato starch/halloysite nanoclay. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 67, 458-62	7.9	142
74	Effects of nanorod-rich ZnO on rheological, sorption isotherm, and physicochemical properties of bovine gelatin films. <i>LWT - Food Science and Technology</i> , <b>2014</b> , 58, 142-149	5.4	65

73	Effects of nanoparticulate silver on the corrosion protection performance of polyurethane coatings on mild steel in sodium chloride solution. <i>Progress in Organic Coatings</i> , <b>2014</b> , 77, 1233-1240	4.8	25
72	Nanotechnology development in food packaging: A review. <i>Trends in Food Science and Technology</i> , <b>2014</b> , 40, 149-167	15.3	335
71	Antibacterial and barrier properties of oriented polymer films with ZnO thin films applied with atomic layer deposition at low temperatures. <i>Thin Solid Films</i> , <b>2014</b> , 562, 331-337	2.2	42
70	The Effects of Nano-SiO <sub>2</sub> on Mechanical, Barrier, and Moisture Sorption Isotherm Models of Novel Soluble Soybean Polysaccharide Films. <i>International Journal of Food Engineering</i> , <b>2015</b> , 11, 833-840	1.9	20
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64	Bio-fabrication of zinc oxide nanoparticles using leaf extract of curry leaf ( <i>Murraya koenigii</i> ) and its antimicrobial activities. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 34, 365-372	4.3	52
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