

Facile Conjugation of Biomolecules onto Surfaces via M Coatings

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Surface modification of diamond-like carbon films with protein via polydopamine inspired coatings. Applied Surface Science, 2009, 256, 294-297.	6.1	38
3	Novel strategy in enhancing stability and corrosion resistance for hydrophobic functional films on copper surfaces. Electrochemistry Communications, 2009, 11, 1675-1679.	4.7	102
4	Norepinephrine: Material-Independent, Multifunctional Surface Modification Reagent. Journal of the American Chemical Society, 2009, 131, 13224-13225.	13.7	298
5	Characterization of Dopamine-Melanin Growth on Silicon Oxide. Journal of Physical Chemistry C, 2009, 113, 8234-8242.	3.1	322
6	Genetically Designed Peptide-Based Molecular Materials. ACS Nano, 2009, 3, 1606-1615.	14.6	91
7	Preparation and Characterization of Polydopamine-coated Silver Core/Shell Nanocables. Chemistry Letters, 2010, 39, 552-553.	1.3	20
8	Surface modification of PE porous membranes based on the strong adhesion of polydopamine and covalent immobilization of heparin. Journal of Membrane Science, 2010, 364, 194-202.	8.2	315
9	Melanin-Containing Films: Growth from Dopamine Solutions versus Layer-by-Layer Deposition. ChemPhysChem, 2010, 11, 3299-3305.	2.1	63
10	Mussel-Inspired Polydopamine Coating as a Universal Route to Hydroxyapatite Crystallization. Advanced Functional Materials, 2010, 20, 2132-2139.	14.9	683
12	One-Step Modification of Superhydrophobic Surfaces by a Mussel-Inspired Polymer Coating. Angewandte Chemie - International Edition, 2010, 49, 9401-9404.	13.8	408
13	Protein adsorption on dopamine-melanin films: Role of electrostatic interactions inferred from Γ -potential measurements versus chemisorption. Journal of Colloid and Interface Science, 2010, 344, 54-60.	9.4	118
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17	General functionalization route for cell adhesion on non-wetting surfaces. Biomaterials, 2010, 31, 2535-2541.	11.4	617
18	Human endothelial cell growth on mussel-inspired nanofiber scaffold for vascular tissue engineering. Biomaterials, 2010, 31, 9431-9437.	11.4	358
19	Impedance spectroscopy and zeta potential titration of dopa-melanin films produced by oxidation of dopamine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 363, 92-97.	4.7	89
20	Covalent Immobilization of Protein onto a functionalized Hydrogenated Diamond-like Carbon Substrate. Langmuir, 2010, 26, 17413-17418.	3.5	18

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21	Oxidant-induced dopamine polymerization for multifunctional coatings. <i>Polymer Chemistry</i> , 2010, 1, 1430.	3.9	644
22	Spatial Control of Cell Adhesion and Patterning through Mussel-Inspired Surface Modification by Polydopamine. <i>Langmuir</i> , 2010, 26, 15104-15108.	3.5	226
23	A New Nanocomposite: L-DOPA/Laponite. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 85-88.	4.6	54
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25	Preparation of IDA-Cu functionalized core-satellite Fe ₃ O ₄ /polydopamine/Au magnetic nanocomposites and their application for depletion of abundant protein in bovine blood. <i>Journal of Materials Chemistry</i> , 2010, 20, 10696.	6.7	135
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40	Mussel-Inspired Encapsulation and Functionalization of Individual Yeast Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 2795-2797.	13.7	378
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54	Surface modification of thin film composite membrane support layers with polydopamine: Enabling use of reverse osmosis membranes in pressure retarded osmosis. <i>Journal of Membrane Science</i> , 2011, 375, 55-62.	8.2	297
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78	Tyrosinase-mediated surface grafting of cell adhesion peptide onto micro-fibrous polyurethane for improved endothelialization. <i>Macromolecular Research</i> , 2012, 20, 1150-1155.	2.4	15
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91	Enhancement of bone regeneration through facile surface functionalization of solid freeform fabrication-based three-dimensional scaffolds using mussel adhesive proteins. <i>Acta Biomaterialia</i> , 2012, 8, 2578-2586.	8.3	76
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122	In situ synthesis of polydopamine-Ag hollow microspheres for hydrogen peroxide sensing. <i>Electrochimica Acta</i> , 2012, 61, 31-35.	5.2	40
123	Mussel-inspired surface capping and pore filling to confer mesoporous silica with high loading and enhanced stability of enzyme. <i>Microporous and Mesoporous Materials</i> , 2012, 152, 122-127.	4.4	26
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134	Hydrophobic Enhancement of Dopa-Mediated Adhesion in a Mussel Foot Protein. <i>Journal of the American Chemical Society</i> , 2013, 135, 377-383.	13.7	218
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149	Engineering microstructured porous films for multiple applications via mussel-inspired surface coating. <i>RSC Advances</i> , 2013, 3, 25291.	3.6	15
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