

Marcus Textor

List of Publications by Year in descending order

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207
papers

22,136
citations

7251

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10679

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216
docs citations

216
times ranked

25483
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Nanobiointerfaces: a themed collection. <i>Biomaterials Science</i> , 2018, 6, 706-707. | 2.6 | 0 |
| 2 | Bioinspired, nanoscale approaches in contemporary bioanalytics (Review). <i>Biointerphases</i> , 2018, 13, 040801. | 0.6 | 12 |
| 3 | Surface-assembled poly(I:C) on PEGylated PLGA microspheres as vaccine adjuvant: APC activation and bystander cell stimulation. <i>International Journal of Pharmaceutics</i> , 2016, 514, 176-188. | 2.6 | 20 |
| 4 | Osteogenic differentiation of human mesenchymal stem cells in the absence of osteogenic supplements: A surface-roughness gradient study. <i>Acta Biomaterialia</i> , 2015, 28, 64-75. | 4.1 | 124 |
| 5 | Regulation of Human Mesenchymal Stem Cell Osteogenesis by Specific Surface Density of Fibronectin: a Gradient Study. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2367-2375. | 4.0 | 37 |
| 6 | A bioactive elastin-like recombinamer reduces unspecific protein adsorption and enhances cell response on titanium surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 225-233. | 2.5 | 32 |
| 7 | ToF-SIMS analysis of poly(L-lysine)-graft-poly(2-methyl-2-oxazoline) ultrathin adlayers. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1509-1517. | 1.9 | 7 |
| 8 | Comparative assessment of the stability of nonfouling poly(2-methyl-2-oxazoline) and poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.6 | 50 |
| 9 | Differential regulation of osteogenic differentiation of stem cells on surface roughness gradients. <i>Biomaterials</i> , 2014, 35, 9023-9032. | 5.7 | 226 |
| 10 | The angiogenic response to PLL-g-PEG-mediated HIF-1 \pm plasmid DNA delivery in healthy and diabetic rats. <i>Biomaterials</i> , 2013, 34, 4173-4182. | 5.7 | 47 |
| 11 | PEG-Stabilized Core-Shell Nanoparticles: Impact of Linear versus Dendritic Polymer Shell Architecture on Colloidal Properties and the Reversibility of Temperature-Induced Aggregation. <i>ACS Nano</i> , 2013, 7, 316-329. | 7.3 | 176 |
| 12 | Antimicrobial Properties of 8-Hydroxyserrulat-14-en-19-oic Acid for Treatment of Implant-Associated Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 333-342. | 1.4 | 19 |
| 13 | Dendritic Spherical Polymer Brushes: Theory and Self-Consistent Field Modeling. <i>Macromolecules</i> , 2013, 46, 4651-4662. | 2.2 | 35 |
| 14 | Effect of Cell Shape and Dimensionality on Spindle Orientation and Mitotic Timing. <i>PLoS ONE</i> , 2013, 8, e66918. | 1.1 | 16 |
| 15 | The study of polarisation in single cells using model cell membranes. <i>Integrative Biology (United Tj ETQq1 1 0.784314 rgBT /Overlock 19</i> | 0.6 | 19 |
| 16 | Micropatterning of Functional Conductive Polymers with Multiple Surface Chemistries in Register. <i>Langmuir</i> , 2012, 28, 6502-6511. | 1.6 | 31 |
| 17 | Polyoxazolines for Nonfouling Surface Coatings - A Direct Comparison to the Gold Standard PEG. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1663-1676. | 2.0 | 214 |
| 18 | Controlled Breast Cancer Microarrays for the Deconvolution of Cellular Multilayering and Density Effects upon Drug Responses. <i>PLoS ONE</i> , 2012, 7, e40141. | 1.1 | 25 |

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|----|--|-----|-----------|
| 19 | Using Complementary Acoustic and Optical Techniques for Quantitative Monitoring of Biomolecular Adsorption at Interfaces. <i>Biosensors</i> , 2012, 2, 341-376. | 2.3 | 56 |
| 20 | Supported Lipopolysaccharide Bilayers. <i>Langmuir</i> , 2012, 28, 12199-12208. | 1.6 | 30 |
| 21 | Surface assembly of poly(l:C) on PEGylated microspheres to shield from adverse interactions with fibroblasts. <i>Journal of Controlled Release</i> , 2012, 159, 204-214. | 4.8 | 9 |
| 22 | Evaluation of chemically modified SLA implants (modSLA) biofunctionalized with integrin (RGD) and heparin (KRSR) binding peptides. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 703-711. | 2.1 | 16 |
| 23 | Comparative Stability Studies of Poly(2-methyl-2-oxazoline) and Poly(ethylene glycol) Brush Coatings. <i>Biointerphases</i> , 2012, 7, 1. | 0.6 | 616 |
| 24 | Nanomedicine In Focus: Opportunities and Challenges Ahead. <i>Biointerphases</i> , 2012, 7, 19. | 0.6 | 7 |
| 25 | Mechanical properties of mushroom and brush poly(ethylene glycol)-phospholipid membranes. <i>Soft Matter</i> , 2011, 7, 9267. | 1.2 | 33 |
| 26 | Single cell 3-D platform to study ligand mobility in cell-cell contact. <i>Lab on A Chip</i> , 2011, 11, 2876. | 3.1 | 45 |
| 27 | Self-Assembly of Focal Point Oligo-catechol Ethylene Glycol Dendrons on Titanium Oxide Surfaces: Adsorption Kinetics, Surface Characterization, and Nonfouling Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 10940-10950. | 6.6 | 185 |
| 28 | “Docking Sites”: Nanometer-Scale Organization of a Reactive, Protein-resistant, Graft Copolymer-Based Interface for Macromolecule Immobilization.. <i>Biomacromolecules</i> , 2011, 12, 4213-4220. | 2.6 | 9 |
| 29 | Influence of Electronegative Substituents on the Binding Affinity of Catechol-Derived Anchors to Fe ₃ O ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 683-691. | 1.5 | 142 |
| 30 | Supported lipid bilayer microarrays created by non-contact printing. <i>Lab on A Chip</i> , 2011, 11, 2403. | 3.1 | 19 |
| 31 | Engineered 3D environments to elucidate the effect of environmental parameters on drug response in cancer. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 31-38. | 0.6 | 59 |
| 32 | Triggered Release from Liposomes through Magnetic Actuation of Iron Oxide Nanoparticle Containing Membranes. <i>Nano Letters</i> , 2011, 11, 1664-1670. | 4.5 | 339 |
| 33 | Formation of Nanopore-Spanning Lipid Bilayers through Liposome Fusion. <i>Langmuir</i> , 2011, 27, 10920-10928. | 1.6 | 46 |
| 34 | Substrate Adhesion Regulates Sealing Zone Architecture and Dynamics in Cultured Osteoclasts. <i>PLoS ONE</i> , 2011, 6, e28583. | 1.1 | 41 |
| 35 | Osteoblast response to titanium surfaces functionalized with extracellular matrix peptide biomimetics. <i>Clinical Oral Implants Research</i> , 2011, 22, 865-872. | 1.9 | 58 |
| 36 | Pleckstrin Homology-Phospholipase C-1 Interaction with Phosphatidylinositol 4,5-Bisphosphate Containing Supported Lipid Bilayers Monitored in Situ with Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2011, 83, 6267-6274. | 3.2 | 23 |

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|----|---|-----|-----------|
| 37 | Stabilization and functionalization of iron oxide nanoparticles for biomedical applications. <i>Nanoscale</i> , 2011, 3, 2819. | 2.8 | 360 |
| 38 | Automated time-resolved analysis of bacteria-substrate interactions using functionalized microparticles and flow cytometry. <i>Biomaterials</i> , 2011, 32, 4347-4357. | 5.7 | 11 |
| 39 | Magnetic Decoupling of Surface Fe ³⁺ in Magnetite Nanoparticles upon Nitrocatechol-Anchored Dispersant Binding. <i>Chemistry - A European Journal</i> , 2011, 17, 7396-7398. | 1.7 | 15 |
| 40 | Tuning the immune response of dendritic cells to surface-assembled poly(I:C) on microspheres through synergistic interactions between phagocytic and TLR3 signaling. <i>Biomaterials</i> , 2011, 32, 2651-2661. | 5.7 | 21 |
| 41 | Formation and characterization of DNA-polymer-condensates based on poly(2-methyl-2-oxazoline) grafted poly(L-lysine) for non-viral delivery of therapeutic DNA. <i>Biomaterials</i> , 2011, 32, 5291-5303. | 5.7 | 56 |
| 42 | Designed polymer structures with antifouling-antimicrobial properties. <i>Reactive and Functional Polymers</i> , 2011, 71, 329-334. | 2.0 | 118 |
| 43 | Design of a high-throughput device for screening surface modification protocols. <i>Progress in Organic Coatings</i> , 2010, 67, 20-27. | 1.9 | 3 |
| 44 | Enhanced osteoblastic activity and bone regeneration using surface-modified porous bioactive glass scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 1023-1033. | 2.1 | 45 |
| 45 | Solid on liquid deposition. <i>Thin Solid Films</i> , 2010, 518, 5061-5065. | 0.8 | 29 |
| 46 | The role of the interplay between polymer architecture and bacterial surface properties on the microbial adhesion to polyoxazoline-based ultrathin films. <i>Biomaterials</i> , 2010, 31, 9462-9472. | 5.7 | 114 |
| 47 | Self-Assembly of Iron Oxide-Poly(ethylene glycol) Core-Shell Nanoparticles at Liquid-Liquid Interfaces. <i>Chimia</i> , 2010, 64, 145-149. | 0.3 | 20 |
| 48 | Grazing Incidence Small Angle X-ray Scattering on Colloidal Crystals. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12473-12479. | 1.2 | 13 |
| 49 | Particle Lithography from Colloidal Self-Assembly at Liquid-Liquid Interfaces. <i>ACS Nano</i> , 2010, 4, 5665-5670. | 7.3 | 141 |
| 50 | Characterization of supported lipid bilayers incorporating and phosphoinositol-3,4,5-triphosphate by complementary techniques. <i>Biointerphases</i> , 2010, 5, 114-119. | 0.6 | 22 |
| 51 | One-Step Method for Generating PEG-Like Plasma Polymer Gradients: Chemical Characterization and Analysis of Protein Interactions. <i>Langmuir</i> , 2010, 26, 13987-13994. | 1.6 | 48 |
| 52 | Dendritic versus Linear Polymer Brushes: Self-Consistent Field Modeling, Scaling Theory, and Experiments. <i>Macromolecules</i> , 2010, 43, 9555-9566. | 2.2 | 65 |
| 53 | Surface Assembly of Catechol-Functionalized Poly(L-lysine)-graft-poly(ethylene Tj ETQq1 1 0.784314 rgBT /Overlook Biomimetic Strong Adhesion. <i>Macromolecules</i> , 2010, 43, 1050-1060. | 2.2 | 99 |
| 54 | Self-Assembly of Poly(ethylene glycol)-Poly(alkyl phosphonate) Terpolymers on Titanium Oxide Surfaces: Synthesis, Interface Characterization, Investigation of Nonfouling Properties, and Long-Term Stability. <i>Langmuir</i> , 2010, 26, 74-82. | 1.6 | 96 |

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|----|--|-----|-----------|
| 55 | Poly(ethylene glycol) Adlayers Immobilized to Metal Oxide Substrates Through Catechol Derivatives: Influence of Assembly Conditions on Formation and Stability. <i>Langmuir</i> , 2010, 26, 4018-4026. | 1.6 | 115 |
| 56 | Ru(II) Glycodendrimers as Probes to Study Lectin~Carbohydrate Interactions and Electrochemically Measure Monosaccharide and Oligosaccharide Concentrations. <i>Langmuir</i> , 2010, 26, 1520-1523. | 1.6 | 35 |
| 57 | Dimensionality Controls Cytoskeleton Assembly and Metabolism of Fibroblast Cells in Response to Rigidity and Shape. <i>PLoS ONE</i> , 2010, 5, e9445. | 1.1 | 83 |
| 58 | An RGD-restricted substrate interface is sufficient for the adhesion, growth and cartilage forming capacity of human chondrocytes. , 2010, 20, 316-328. | | 23 |
| 59 | Furanone at Subinhibitory Concentrations Enhances Staphylococcal Biofilm Formation by <i>luxS</i> Repression. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4159-4166. | 1.4 | 93 |
| 60 | Fabrication of TiO ₂ -coated epoxy replicas with identical dual-type surface topographies used in cell culture assays. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 12-22. | 2.1 | 35 |
| 61 | Comparison of the response of cultured osteoblasts and osteoblasts outgrown from rat calvarial bone chips to nonfouling KRSR and FHRRIKA~peptide modified rough titanium surfaces. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 517-527. | 1.6 | 44 |
| 62 | Surface Functionalization of Single Superparamagnetic Iron Oxide Nanoparticles for Targeted Magnetic Resonance Imaging. <i>Small</i> , 2009, 5, 1334-1342. | 5.2 | 203 |
| 63 | Microarray spotting of nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 346, 61-65. | 2.3 | 6 |
| 64 | Liposomes Tethered to Omega-Functional PEG Brushes and Induced Formation of PEG Brush Supported Planar Lipid Bilayers. <i>Langmuir</i> , 2009, 25, 13534-13539. | 1.6 | 29 |
| 65 | Covalent Immobilization of Antibacterial Furanones via Photochemical Activation of Perfluorophenylazide. <i>Langmuir</i> , 2009, 25, 7432-7437. | 1.6 | 44 |
| 66 | Poly(methacrylic acid) Grafts Grown from Designer Surfaces: The Effect of Initiator Coverage on Polymerization Kinetics, Morphology, and Properties. <i>Macromolecules</i> , 2009, 42, 1640-1647. | 2.2 | 46 |
| 67 | Integration column: microwell arrays for mammalian cell culture. <i>Integrative Biology (United Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> | 0.5 | 125 |
| 68 | Ultrastable Iron Oxide Nanoparticle Colloidal Suspensions Using Dispersants with Catechol-Derived Anchor Groups. <i>Nano Letters</i> , 2009, 9, 4042-4048. | 4.5 | 411 |
| 69 | A detailed investigation of the formation kinetics and layer structure of poly(ethylene glycol) tether supported lipid bilayers. <i>Soft Matter</i> , 2009, 5, 2804. | 1.2 | 44 |
| 70 | Formation of supported lipid bilayers on indium tin oxide for dynamically-patterned membrane-functionalized microelectrode arrays. <i>Lab on A Chip</i> , 2009, 9, 718-725. | 3.1 | 31 |
| 71 | Micropatterning of gold substrates based on poly(propylene sulfide-bl-ethylene glycol), (PPS~PEG) background passivation and the molecular-assembly patterning by lift-off (MAPL) technique. <i>Surface Science</i> , 2008, 602, 2305-2310. | 0.8 | 15 |
| 72 | Protein~Resistant Surfaces through Mild Dopamine Surface Functionalization. <i>Chemistry - A European Journal</i> , 2008, 14, 10579-10584. | 1.7 | 70 |

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|----|---|------|-----------|
| 73 | Structural Evolution of Self-Assembled Alkanephosphate Monolayers on TiO ₂ . ChemPhysChem, 2008, 9, 1979-1981. | 1.0 | 29 |
| 74 | Reduced medical infection related bacterial strains adhesion on bioactive RGD modified titanium surfaces: A first step toward cell selective surfaces. Journal of Biomedical Materials Research - Part A, 2008, 84A, 425-435. | 2.1 | 118 |
| 75 | Probing Protein-Chaperone Interactions with Single-Molecule Fluorescence Spectroscopy. Angewandte Chemie - International Edition, 2008, 47, 6184-6188. | 7.2 | 68 |
| 76 | An Engineered Mannoside Presenting Platform: <i>Escherichia coli</i> Adhesion under Static and Dynamic Conditions. Advanced Functional Materials, 2008, 18, 1459-1469. | 7.8 | 45 |
| 77 | Polyelectrolyte Coatings with a Potential for Electronic Control and Cell Sheet Engineering. Advanced Materials, 2008, 20, 560-565. | 11.1 | 100 |
| 78 | Formation of supported bacterial lipid membrane mimics. Biointerphases, 2008, 3, FA41-FA50. | 0.6 | 72 |
| 79 | Lipid redistribution in phosphatidylserine-containing vesicles adsorbing on titania. Biointerphases, 2008, 3, FA90-FA95. | 0.6 | 27 |
| 80 | Stable Stealth Function for Hollow Polyelectrolyte Microcapsules through a Poly(ethylene glycol) Grafted Polyelectrolyte Adlayer. Biomacromolecules, 2008, 9, 100-108. | 2.6 | 105 |
| 81 | Optical Anisotropy of Supported Lipid Structures Probed by Waveguide Spectroscopy and Its Application to Study of Supported Lipid Bilayer Formation Kinetics. Analytical Chemistry, 2008, 80, 3666-3676. | 3.2 | 154 |
| 82 | Poly-2-methyl-2-oxazoline: A Peptide-like Polymer for Protein-Repellent Surfaces. Langmuir, 2008, 24, 613-616. | 1.6 | 315 |
| 83 | Multiple Transmission-Reflection Infrared Spectroscopy for High-Sensitivity Measurement of Molecular Monolayers on Silicon Surfaces. Journal of Physical Chemistry A, 2008, 112, 12372-12377. | 1.1 | 32 |
| 84 | Characterization of PLL-g-PEG-DNA Nanoparticles for the Delivery of Therapeutic DNA. Bioconjugate Chemistry, 2008, 19, 548-557. | 1.8 | 40 |
| 85 | Adsorption of Molecular Brushes with Polyelectrolyte Backbones onto Oppositely Charged Surfaces: A Self-Consistent Field Theory. Langmuir, 2008, 24, 7232-7244. | 1.6 | 35 |
| 86 | Understanding Self-Assembled Amphiphilic Peptide Supramolecular Structures from Primary Structure Helix Propensity. Langmuir, 2008, 24, 7645-7647. | 1.6 | 29 |
| 87 | Mannose-Based Molecular Patterns on Stealth Microspheres for Receptor-Specific Targeting of Human Antigen-Presenting Cells. Langmuir, 2008, 24, 11790-11802. | 1.6 | 56 |
| 88 | Carboxy-Terminated Oligo(ethylene glycol)-Alkane Phosphate: Synthesis and Self-Assembly on Titanium Oxide Surfaces. Langmuir, 2007, 23, 377-381. | 1.6 | 59 |
| 89 | Issues of Ligand Accessibility and Mobility in Initial Cell Attachment. Langmuir, 2007, 23, 11693-11704. | 1.6 | 43 |
| 90 | Functionalizable Nanomorphology Gradients via Colloidal Self-Assembly. Langmuir, 2007, 23, 5929-5935. | 1.6 | 55 |

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| 91 | Micro-well arrays for 3D shape control and high resolution analysis of single cells. Lab on A Chip, 2007, 7, 1074. | 3.1 | 199 |
| 92 | Patterned cell adhesion by self-assembled structures for use with a CMOS cell-based biosensor. Biosensors and Bioelectronics, 2007, 22, 1426-1433. | 5.3 | 34 |
| 93 | The use of biotin-avidin binding to facilitate biomodification of thermoresponsive culture surfaces. Biomaterials, 2007, 28, 5471-5476. | 5.7 | 41 |
| 94 | Enzymes on nanotubes thwart fouling. Nature Nanotechnology, 2007, 2, 138-139. | 15.6 | 23 |
| 95 | Adhesion of Polyelectrolyte Microcapsules through Biotin-Streptavidin Specific Interaction. Biomacromolecules, 2006, 7, 2331-2336. | 2.6 | 16 |
| 96 | Large Area Protein Nanopatterning for Biological Applications. Nano Letters, 2006, 6, 1165-1171. | 4.5 | 125 |
| 97 | Biomedical interfaces: titanium surface technology for implants and cell carriers. Nanomedicine, 2006, 1, 449-463. | 1.7 | 95 |
| 98 | Monitoring kinetics of surface initiated atom transfer radical polymerization by quartz crystal microbalance with dissipation. Biointerphases, 2006, 1, 35-39. | 0.6 | 32 |
| 99 | Microfabricated three-dimensional environments for single cell studies. Biointerphases, 2006, 1, P1-P4. | 0.6 | 37 |
| 100 | Surface plasmon optical detection of β -lactamase binding to different interfacial matrices combined with fiber optic absorbance spectroscopy for enzymatic activity assays. Biointerphases, 2006, 1, 73-81. | 0.6 | 13 |
| 101 | Phagocytosis of poly(L-lysine)-graft-poly (ethylene glycol) coated microspheres by antigen presenting cells: Impact of grafting ratio and poly (ethylene glycol) chain length on cellular recognition. Biointerphases, 2006, 1, 123-133. | 0.6 | 28 |
| 102 | High Salt Stability and Protein Resistance of Poly(L-lysine)-g-poly(ethylene glycol) Copolymers Covalently Immobilized via Aldehyde Plasma Polymer Interlayers on Inorganic and Polymeric Substrates. Langmuir, 2006, 22, 5760-5769. | 1.6 | 113 |
| 103 | Biomimetic Surface Modifications Based on the Cyanobacterial Iron Chelator Anachelin. Journal of the American Chemical Society, 2006, 128, 1064-1065. | 6.6 | 142 |
| 104 | Asymmetric Distribution of Phosphatidyl Serine in Supported Phospholipid Bilayers on Titanium Dioxide. Langmuir, 2006, 22, 3467-3473. | 1.6 | 100 |
| 105 | Functionalization of Titanium Oxide Surfaces by Means of Poly(alkyl-phosphonates). Journal of Physical Chemistry B, 2006, 110, 25603-25605. | 1.2 | 59 |
| 106 | The Cell Penetrating Peptides pVEC and W2-pVEC Induce Transformation of Gel Phase Domains in Phospholipid Bilayers without Affecting Their Integrity. Biochemistry, 2006, 45, 3598-3609. | 1.2 | 36 |
| 107 | Enhanced bone apposition around biofunctionalized sandblasted and acid-etched titanium implant surfaces. A histomorphometric study in miniature pigs. Clinical Oral Implants Research, 2006, 17, 251-257. | 1.9 | 118 |
| 108 | Waveguide excitation fluorescence microscopy: A new tool for sensing and imaging the biointerface. Biosensors and Bioelectronics, 2006, 21, 1476-1482. | 5.3 | 89 |

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| 109 | Pattern stability under cell culture conditions—A comparative study of patterning methods based on PLL-g-PEG background passivation. <i>Biomaterials</i> , 2006, 27, 2534-2541. | 5.7 | 89 |
| 110 | Surface engineering approaches to micropattern surfaces for cell-based assays. <i>Biomaterials</i> , 2006, 27, 3044-3063. | 5.7 | 881 |
| 111 | Biomimetic modification of titanium dental implant model surfaces using the RGDSP-peptide sequence: A cell morphology study. <i>Biomaterials</i> , 2006, 27, 4003-4015. | 5.7 | 205 |
| 112 | Adsorption and electrically stimulated desorption of the triblock copolymer poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 T 1510-1517. | 0.8 | 15 |
| 113 | Silk fibroin as an organic polymer for controlled drug delivery. <i>Journal of Controlled Release</i> , 2006, 111, 219-227. | 4.8 | 328 |
| 114 | Merging Organic and Polymer Chemistries to Create Glycomaterials for Glycomics Applications. <i>Macromolecular Bioscience</i> , 2006, 6, 634-647. | 2.1 | 53 |
| 115 | Nitrilotriacetic Acid Functionalized Graft Copolymers: A Polymeric Interface for Selective and Reversible Binding of Histidine-Tagged Proteins. <i>Advanced Functional Materials</i> , 2006, 16, 243-251. | 7.8 | 116 |
| 116 | Electrically-Assisted Formation and Desorption of Dodecyl Phosphate Self-Assembled Monolayers on Indium Tin Oxide Surfaces. <i>ECS Transactions</i> , 2006, 1, 29-43. | 0.3 | 1 |
| 117 | Enhanced optical waveguide light mode spectroscopy via detection of fluorophore absorbance. <i>Review of Scientific Instruments</i> , 2006, 77, 103105. | 0.6 | 3 |
| 118 | Bioactive Patterns at the 100-nm Scale Produced Using Multifunctional Physisorbed Monolayers. <i>MRS Bulletin</i> , 2005, 30, 202-206. | 1.7 | 35 |
| 119 | Synergistic interaction of topographic features in the production of bone-like nodules on Ti surfaces by rat osteoblasts. <i>Biomaterials</i> , 2005, 26, 1119-1130. | 5.7 | 59 |
| 120 | Locally Addressable Electrochemical Patterning Technique (LAEPT) applied to poly(L-lysine)-graft-poly(ethylene glycol) adlayers on titanium and silicon oxide surfaces. <i>Biotechnology and Bioengineering</i> , 2005, 91, 285-295. | 1.7 | 22 |
| 121 | Biofunctional Polyelectrolyte Multilayers and Microcapsules: Control of Non-Specific and Bio-Specific Protein Adsorption. <i>Advanced Functional Materials</i> , 2005, 15, 357-366. | 7.8 | 159 |
| 122 | Whole blood coagulation on protein adsorption-resistant PEG and peptide functionalised PEG-coated titanium surfaces. <i>Biomaterials</i> , 2005, 26, 861-872. | 5.7 | 140 |
| 123 | An inverted microcontact printing method on topographically structured polystyrene chips for arrayed micro-3-D culturing of single cells. <i>Biomaterials</i> , 2005, 26, 5917-5925. | 5.7 | 148 |
| 124 | Relationship between Interfacial Forces Measured by Colloid-Probe Atomic Force Microscopy and Protein Resistance of Poly(ethylene glycol)-Grafted Poly(L-lysine) Adlayers on Niobia Surfaces. <i>Langmuir</i> , 2005, 21, 6508-6520. | 1.6 | 125 |
| 125 | Self-assembly of functionalized spherical nanoparticles on chemically patterned microstructures. <i>Nanotechnology</i> , 2005, 16, 3045-3052. | 1.3 | 25 |
| 126 | Investigating the properties of supported vesicular layers on titanium dioxide by quartz crystal microbalance with dissipation measurements. <i>Journal of Chemical Physics</i> , 2005, 122, 204711. | 1.2 | 101 |

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| 127 | Influence of Poly(propylene sulfide-block-ethylene glycol) Di- and Triblock Copolymer Architecture on the Formation of Molecular Adlayers on Gold Surfaces and Their Effect on Protein Resistance: A Candidate for Surface Modification in Biosensor Research. <i>Macromolecules</i> , 2005, 38, 10503-10510. | 2.2 | 72 |
| 128 | A novel crossed microfluidic device for the precise positioning of proteins and vesicles. <i>Lab on A Chip</i> , 2005, 5, 1387. | 3.1 | 35 |
| 129 | Tuned Graft Copolymers as Controlled Coatings for DNA Microarrays. <i>Analytical Chemistry</i> , 2005, 77, 5831-5838. | 3.2 | 25 |
| 130 | NTA-Functionalized Poly(L-lysine)-g-Poly(Ethylene Glycol): A Polymeric Interface for Binding and Studying 6 His-tagged Proteins. , 2005, 2006, 1036-8. | | 4 |
| 131 | Interactions between Titanium Dioxide and Phosphatidyl Serine-Containing Liposomes: Formation and Patterning of Supported Phospholipid Bilayers on the Surface of a Medically Relevant Material. <i>Langmuir</i> , 2005, 21, 6443-6450. | 1.6 | 145 |
| 132 | Combined Affinity and Catalytic Biosensor: In Situ Enzymatic Activity Monitoring of Surface-Bound Enzymes. <i>Journal of the American Chemical Society</i> , 2005, 127, 13084-13085. | 6.6 | 47 |
| 133 | Bending Rigidity and Induced Persistence Length of Molecular Bottle Brushes: A Self-Consistent-Field Theory. <i>Macromolecules</i> , 2005, 38, 8891-8901. | 2.2 | 122 |
| 134 | Influence of PEG Architecture on Protein Adsorption and Conformation. <i>Langmuir</i> , 2005, 21, 12327-12332. | 1.6 | 312 |
| 135 | Effects of Ionic Strength and Surface Charge on Protein Adsorption at PEGylated Surfaces. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17545-17552. | 1.2 | 289 |
| 136 | Selective molecular assembly patterning at the nanoscale: a novel platform for producing protein patterns by electron-beam lithography on SiO ₂ /indium tin oxide-coated glass substrates. <i>Nanotechnology</i> , 2005, 16, 1781-1786. | 1.3 | 46 |
| 137 | Protein Resistance of Titanium Oxide Surfaces Modified by Biologically Inspired mPEG ⁺ DOPA. <i>Langmuir</i> , 2005, 21, 640-646. | 1.6 | 423 |
| 138 | Anodic plasma-chemical treatment of CP titanium surfaces for biomedical applications. <i>Biomaterials</i> , 2004, 25, 593-606. | 5.7 | 191 |
| 139 | A Combined Photolithographic and Molecular-Assembly Approach to Produce Functional Micropatterns for Applications in the Biosciences. <i>Advanced Functional Materials</i> , 2004, 14, 749-756. | 7.8 | 184 |
| 140 | Effect of titanium surface topography on macrophage activation and secretion of proinflammatory cytokines and chemokines. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 70A, 194-205. | 3.0 | 243 |
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