Pat Stayton

List of Publications by Year
in descending order

272 papers	21,838 citations	5876 81 h-index	11030 137 g-index
280 all docs	280 docs citations	280 times ranked	19897 citing authors

#	Article	IF	Citations
1	Wellâ€Defined Mannosylated Polymer for Peptide Vaccine Delivery with Enhanced Antitumor Immunity. Advanced Healthcare Materials, 2022, 11, e2101651.	3.9	24
2	A nanofiber based antiviral (TAF) prodrug delivery system. Materials Science and Engineering C, 2022, 133, 112626.	3.8	1
3	In vivo tracking of bioorthogonally labeled T-cells for predicting therapeutic efficacy of adoptive T-cell therapy. Journal of Controlled Release, 2021, 329, 223-236.	4.8	15
4	Fully synthetic injectable depots with high drug content and tunable pharmacokinetics for long-acting drug delivery. Journal of Controlled Release, 2021, 329, 257-269.	4.8	11
5	A macrophage-targeted platform for extending drug dosing with polymer prodrugs for pulmonary infection prophylaxis. Journal of Controlled Release, 2021, 330, 284-292.	4.8	10
6	Lytic Polyplex Vaccines Enhance Antigenâ€Specific Cytotoxic T Cell Response through Induction of Local Cell Death. Advanced Therapeutics, 2021, 4, 2100005.	1.6	5
7	Liver-targeted polymeric prodrugs of 8-aminoquinolines for malaria radical cure. Journal of Controlled Release, 2021, 331, 213-227.	4.8	6
8	Arming Immune Cell Therapeutics with Polymeric Prodrugs. Advanced Healthcare Materials, 2021, , 2101944.	3.9	1
9	Mannose Conjugated Polymer Targeting P.Âaeruginosa Biofilms. ACS Infectious Diseases, 2020, 6, 2866-2871.	1.8	9
10	Applications of â€œSmart Polymersâ€•as Biomaterials. , 2020, , 191-203.		5
11	Think Small for Big Impact. Advanced Functional Materials, 2020, 30, 1909678.	7.8	0
12	Glycan targeted polymeric antibiotic prodrugs for alveolar macrophage infections. Biomaterials, 2019, 195, 38-50.	5.7	38
13	Radiant star nanoparticle prodrugs for the treatment of intracellular alveolar infections. Polymer Chemistry, 2018, 9, 2134-2146.	1.9	9
14	Fully synthetic macromolecular prodrug chemotherapeutics with EGFR targeting and controlled camptothecin release kinetics. Polymer Chemistry, 2018, 9, 5224-5233.	1.9	13
15	Polymer-augmented liposomes enhancing antibiotic delivery against intracellular infections. Biomaterials Science, 2018, 6, 1976-1985.	2.6	47
16	Temperature-Responsive Magnetic Nanoparticles for Enabling Affinity Separation of Extracellular Vesicles. ACS Applied Materials & Interfaces, 2018, 10, 33847-33856.	4.0	31
17	Macrophage-targeted drugamers with enzyme-cleavable linkers deliver high intracellular drug dosing and sustained drug pharmacokinetics against alveolar pulmonary infections. Journal of Controlled Release, 2018, 287, 1-11.	4.8	48
18	Enzyme-Cleavable Polymeric Micelles for the Intracellular Delivery of Proapoptotic Peptides. Molecular Pharmaceutics, 2017, 14, 1450-1459.	2.3	47

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19	Synthetic Macromolecular Antibiotic Platform for Inhalable Therapy against Aerosolized Intracellular Alveolar Infections. Molecular Pharmaceutics, 2017, 14, 1988-1997.	2.3	20
20	Core-Cross-Linked Nanoparticles Reduce Neuroinflammation and Improve Outcome in a Mouse Model of Traumatic Brain Injury. ACS Nano, 2017, 11, 8600-8611.	7.3	91
21	Orientation and conformation of osteocalcin adsorbed onto calcium phosphate and silica surfaces. Biointerphases, 2017, 12, 02D411.	0.6	10
22	Computationally designed high specificity inhibitors delineate the roles of BCL2 family proteins in cancer. ELife, 2016, 5, .	2.8	65
23	Theranostic Oxygen Reactive Polymers for Treatment of Traumatic Brain Injury. Advanced Functional Materials, 2016, 26, 4124-4133.	7.8	38
24	Nanostructured glycopolymer augmented liposomes to elucidate carbohydrate-mediated targeting. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2031-2041.	1.7	25
25	A Streptavidin Binding Site Mutation Yields an Unexpected Result: An Ionized Asp128 Residue Is Not Essential for Strong Biotin Binding. Biochemistry, 2016, 55, 5201-5203.	1.2	5
26	A Stimuli-Responsive, Binary Reagent System for Rapid Isolation of Protein Biomarkers. Analytical Chemistry, 2016, 88, 10404-10410.	3.2	14
27	pH and Salt Effects on Surface Activity and Self-Assembly of Copolymers Containing a Weak Polybase. Langmuir, 2016, 32, 9286-9292.	1.6	7
28	Synthesis of zwitterionic, hydrophobic, and amphiphilic polymers via RAFT polymerization induced self-assembly (PISA) in acetic acid. Polymer Chemistry, 2016, 7, 6133-6143.	1.9	19
29	Reloadable multidrug capturing delivery system for targeted ischemic disease treatment. Science Translational Medicine, 2016, 8, 365ra160.	5.8	19
30	Three-dimensional localization of polymer nanoparticles in cells using ToF-SIMS. Biointerphases, 2016, 11, 02A304.	0.6	19
31	Chemotherapeutic copolymers prepared via the RAFT polymerization of prodrug monomers. Polymer Chemistry, 2016, 7, 4494-4505.	1.9	19
32	RAFT polymerization of ciprofloxacin prodrug monomers for the controlled intracellular delivery of antibiotics. Polymer Chemistry, 2016, 7, 826-837.	1.9	45
33	Antibody targeting facilitates effective intratumoral siRNA nanoparticle delivery to HER2-overexpressing cancer cells. Oncotarget, 2016, 7, 9561-9575.	0.8	46
34	Enhancement of MHC-I Antigen Presentation via Architectural Control of pH-Responsive, Endosomolytic Polymer Nanoparticles. AAPS Journal, 2015, 17, 358-369.	2.2	52
35	Intracellular Delivery System for Antibodyâ€“Peptide Drug Conjugates. Molecular Therapy, 2015, 23, 907-917.	3.7	33
36	Nanoparticle distribution during systemic inflammation is size-dependent and organ-specific. Nanoscale, 2015, 7, 15863-15872.	2.8	74

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37	Polymer nanostructures synthesized by controlled living polymerization for tumor-targeted drug delivery. Journal of Controlled Release, 2015, 219, 345-354.	4.8	48
38	Well-defined single polymer nanoparticles for the antibody-targeted delivery of chemotherapeutic agents. Polymer Chemistry, 2015, 6, 1286-1299.	1.9	18
39	Stimuli-Responsive Reagent System for Enabling Microfluidic Immunoassays with Biomarker Purification and Enrichment. Bioconjugate Chemistry, 2015, 26, 29-38.	1.8	28
40	Dynamic intracellular delivery of antibiotics via pH-responsive polymersomes. Polymer Chemistry, 2015, 6, 1255-1266.	1.9	34
41	Improving Lateral-Flow Immunoassay (LFIA) Diagnostics via Biomarker Enrichment for mHealth. Methods in Molecular Biology, 2015, 1256, 71-84.	0.4	4
42	Design of Smart Nanogels that Respond to Physiologically Relevant pH Values and Temperatures. Journal of Nanoscience and Nanotechnology, 2014, 14, 2557-2562.	0.9	7
43	Neutral polymer micelle carriers with pH-responsive, endosome-releasing activity modulate antigen trafficking to enhance CD8+ T cell responses. Journal of Controlled Release, 2014, 191, 24-33.	4.8	119
44	Synthesis and characterization of transferrin-targeted chemotherapeutic delivery systems prepared via RAFT copolymerization of high molecular weight PEG macromonomers. Polymer Chemistry, 2014, 5, 1791-1799.	1.9	27
45	A Computationally Designed Inhibitor of an Epstein-Barr Viral Bcl-2 Protein Induces Apoptosis in Infected Cells. Cell, 2014, 157, 1644-1656.	13.5	118
46	Organic nanoparticles for drug delivery and imaging. MRS Bulletin, 2014, 39, 219-223.	1.7	77
47	Stimuli-Responsive Bioconjugate. , 2014, , 1-13.		0
48	A Photoinduced Nanoparticle Separation in Microchannels via pH-Sensitive Surface Traps. Langmuir, 2013, 29, 5388-5393.	1.6	22
49	Targeting. , 2013, , 1028-1036.		1
50	Melittin-grafted HPMA-oligolysine based copolymers for gene delivery. Biomaterials, 2013, 34, 2318-2326.	5.7	57
51	Stimuli-Responsive Polymer-Antibody Conjugates via RAFT and Tetrafluorophenyl Active Ester Chemistry. ACS Macro Letters, 2013, 2, 132-136.	2.3	31
52	Polymerâ€“trimannoside conjugates via a combination of RAFT and thiolâ€“ene chemistry. Polymer Chemistry, 2013, 4, 1153-1160.	1.9	21
53	Neutral Polymeric Micelles for RNA Delivery. Bioconjugate Chemistry, 2013, 24, 398-407.	1.8	42
54	pH-Responsive Nanoparticle Vaccines for Dual-Delivery of Antigens and Immunostimulatory Oligonucleotides. ACS Nano, 2013, 7, 3912-3925.	7.3	280

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55	Functionalized nanoparticles provide early cardioprotection after acute myocardial infarction. Journal of Controlled Release, 2013, 170, 287-294.	4.8	112
56	Structural consequences of cutting a binding loop: two circularly permuted variants of streptavidin. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 968-977.	2.5	6
57	TOF-SIMS 3D Imaging of Native and Non-Native Species within HeLa Cells. Analytical Chemistry, 2013, 85, 10869-10877.	3.2	75
58	pHâ€Responsive Hyperbranched Copolymers from Oneâ€Pot RAFT Copolymerization. Macromolecular Materials and Engineering, 2012, 297, 1175-1183.	1.7	10
59	Second-Contact Shell Mutation Diminishes Streptavidinâ€“Biotin Binding Affinity through Transmitted Effects on Equilibrium Dynamics. Biochemistry, 2012, 51, 597-607.	1.2	7
60	Probing the Orientation of Electrostatically Immobilized Protein G B1 by Time-of-Flight Secondary Ion Spectrometry, Sum Frequency Generation, and Near-Edge X-ray Adsorption Fine Structure Spectroscopy. Langmuir, 2012, 28, 2107-2112.	1.6	52
61	Preface to the Chemistry of Materials Special Issue: Materials for Biological Applications. Chemistry of Materials, 2012, 24, 727-727.	3.2	2
62	Application of Living Free Radical Polymerization for Nucleic Acid Delivery. Accounts of Chemical Research, 2012, 45, 1089-1099.	7.6	111
63	Intracellular Delivery and Trafficking Dynamics of a Lymphoma-Targeting Antibodyâ€“Polymer Conjugate. Molecular Pharmaceutics, 2012, 9, 3506-3514.	2.3	38
64	Multiplexed Enrichment and Detection of Malarial Biomarkers Using a Stimuli-Responsive Iron Oxide and Gold Nanoparticle Reagent System. ACS Nano, 2012, 6, 6776-6785.	7.3	115
65	Diblock copolymers with tunable pH transitions for gene delivery. Biomaterials, 2012, 33, 2301-2309.	5.7	104
66	Multifunctional triblock copolymers for intracellular messenger RNA delivery. Biomaterials, 2012, 33, 6868-6876.	5.7	111
67	In vivo targeting of alveolar macrophages via RAFT-based glycopolymers. Biomaterials, 2012, 33, 6889-6897.	5.7	67
68	pH-responsive polymerâ€“antigen vaccine bioconjugates. Polymer Chemistry, 2011, 2, 1499.	1.9	33
69	Synthesis of Folate-Functionalized RAFT Polymers for Targeted siRNA Delivery. Biomacromolecules, 2011, 12, 2708-2714.	2.6	56
70	RAFT-synthesized graft copolymers that enhance pH-dependent membrane destabilization and protein circulation times. Journal of Controlled Release, 2011, 155, 167-174.	4.8	31
71	Streptavidin and its biotin complex at atomic resolution. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 813-821.	2.5	83
72	ToFâ€SIMS imaging and depth profiling of HeLa cells treated with bromodeoxyuridine. Surface and Interface Analysis, 2011, 43, 354-357.	0.8	47

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73	Differential monocyte/macrophage interleukinâ€1Î² production due to biomaterial topography requires the Î²2 integrin signaling pathway. Journal of Biomedical Materials Research - Part A, 2011, 96A, 162-169.	2.1	31
74	Probing orientation of immobilized humanized antiâ€lysozyme variable fragment by timeâ€ofâ€flight secondaryâ€ion mass spectrometry. Journal of Biomedical Materials Research - Part A, 2011, 97A, 1-7.	2.1	25
75	Delivery of basic fibroblast growth factor with a pH-responsive, injectable hydrogel to improve angiogenesis in infarcted myocardium. Biomaterials, 2011, 32, 2407-2416.	5.7	235
76	Efficient intracellular delivery of a pro-apoptotic peptide with a pH-responsive carrier. Reactive and Functional Polymers, 2011, 71, 261-265.	2.0	21
77	Anti-CD22 Antibody Targeting of pH-responsive Micelles Enhances Small Interfering RNA Delivery and Gene Silencing in Lymphoma Cells. Molecular Therapy, 2011, 19, 1529-1537.	3.7	56
78	Pretargeted Radioimmunotherapy Using Genetically Engineered Antibody-Streptavidin Fusion Proteins for Treatment of Non-Hodgkin Lymphoma. Clinical Cancer Research, 2011, 17, 7373-7382.	3.2	25
79	Biomaterial topography alters healing in vivo and monocyte/macrophage activation in vitro. Journal of Biomedical Materials Research - Part A, 2010, 95A, 649-657.	2.1	162
80	The role of basic amino acids in the molecular recognition of hydroxyapatite by statherin using solid state NMR. Surface Science, 2010, 604, L39-L42.	0.8	35
81	Hyaluronic acid hydrogels with controlled degradation properties for oriented bone regeneration. Biomaterials, 2010, 31, 6772-6781.	5.7	282
82	â€œSmartâ€•Diblock Copolymers as Templates for Magnetic-Core Gold-Shell Nanoparticle Synthesis. Nano Letters, 2010, 10, 85-91.	4.5	64
83	Probing the Orientation of Surface-Immobilized Protein G B1 Using ToF-SIMS, Sum Frequency Generation, and NEXAFS Spectroscopy. Langmuir, 2010, 26, 16434-16441.	1.6	83
84	Synthesis of Statistical Copolymers Containing Multiple Functional Peptides for Nucleic Acid Delivery. Biomacromolecules, 2010, 11, 3007-3013.	2.6	38
85	Mixed Stimuli-Responsive Magnetic and Gold Nanoparticle System for Rapid Purification, Enrichment, and Detection of Biomarkers. Bioconjugate Chemistry, 2010, 21, 2197-2204.	1.8	70
86	Intracellular Delivery of a Proapoptotic Peptide via Conjugation to a RAFT Synthesized Endosomolytic Polymer. Molecular Pharmaceutics, 2010, 7, 468-476.	2.3	94
87	Simple Fluidic System for Purifying and Concentrating Diagnostic Biomarkers Using Stimuli-Responsive Antibody Conjugates and Membranes. Bioconjugate Chemistry, 2010, 21, 1820-1826.	1.8	49
88	pH-Responsive Polymeric siRNA Carriers Sensitize Multidrug Resistant Ovarian Cancer Cells to Doxorubicin via Knockdown of Polo-like Kinase 1. Molecular Pharmaceutics, 2010, 7, 442-455.	2.3	87
89	A Distal Point Mutation in the Streptavidinâ^'Biotin Complex Preserves Structure but Diminishes Binding Affinity: Experimental Evidence of Electronic Polarization Effects?. Biochemistry, 2010, 49, 4568-4570.	1.2	9
90	pH-Responsive Polymeric Micelle Carriers for siRNA Drugs. Biomacromolecules, 2010, 11, 2904-2911.	2.6	209

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91	Laboratory-scale protein striping system for patterning biomolecules onto paper-based immunochromatographic test strips. Lab on A Chip, 2010, 10, 2279.	3.1	29
92	Injectable pH- and Temperature-Responsive Poly(N-isopropylacrylamide-co-propylacrylic acid) Copolymers for Delivery of Angiogenic Growth Factors. Biomacromolecules, 2010, 11, 1833-1839.	2.6	165
93	A helical flow, circular microreactor for separating and enriching â€œsmartâ€•polymerâ€“antibody capture reagents. Lab on A Chip, 2010, 10, 3130.	3.1	33
94	Thermosensitive Liposomes Modified with Poly(N-isopropylacrylamide-co-propylacrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	116
95	Intracellular Delivery of a Protein Antigen with an Endosomal-Releasing Polymer Enhances CD8 T-Cell Production and Prophylactic Vaccine Efficacy. Bioconjugate Chemistry, 2010, 21, 2205-2212.	1.8	118
96	Multitechnique characterization of adsorbed peptide and protein orientation: LK310 and Protein G B1. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C5D1-C5D8.	0.6	25
97	Development of a novel endosomolytic diblock copolymer for siRNA delivery. Journal of Controlled Release, 2009, 133, 221-229.	4.8	367
98	In SituCharacterization of the Degradation of PLGA Microspheres in Hyaluronic Acid Hydrogels by Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2009, 28, 74-81.	5.4	24
99	Retention and biodistribution of microspheres injected into ischemic myocardium. Journal of Biomedical Materials Research - Part A, 2009, 88A, 704-710.	2.1	36
100	Antigen Delivery with Poly(Propylacrylic Acid) Conjugation Enhances MHC-1 Presentation and T-Cell Activation. Bioconjugate Chemistry, 2009, 20, 241-248.	1.8	77
101	A ¹³C{³¹P} REDOR NMR Investigation of the Role of Glutamic Acid Residues in Statherin- Hydroxyapatite Recognition. Langmuir, 2009, 25, 12136-12143.	1.6	41
102	End-Functionalized Polymers and Junction-Functionalized Diblock Copolymers Via RAFT Chain Extension with Maleimido Monomers. Bioconjugate Chemistry, 2009, 20, 1122-1128.	1.8	46
103	Photo-Cross-Linked Hydrogels from Thermoresponsive PEGMEMA-PPGMA-EGDMA Copolymers Containing Multiple Methacrylate Groups: Mechanical Property, Swelling, Protein Release, and Cytotoxicity. Biomacromolecules, 2009, 10, 2895-2903.	2.6	69
104	Dynamic bioprocessing and microfluidic transport control with smart magnetic nanoparticles in laminar-flow devices. Lab on A Chip, 2009, 9, 1997.	3.1	77
105	Heparin-regulated delivery of osteoprotegerin promotes vascularization of implanted hydrogels. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 1021-1034.	1.9	34
106	Mechanistic analysis of macrophage response to IRAK-1 gene knockdown by a smart polymer-antisense oligonucleotide therapeutic. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 1333-1346.	1.9	7
107	Encapsulation and stabilization of indocyanine green within poly(styrene-alt-maleic anhydride) block-poly(styrene) micelles for near-infrared imaging. Journal of Biomedical Optics, 2008, 13, 014025.	1.4	104
108	Stabilized Micellar Formulation of Indocyanine Green for Near-Infrared Imaging. , 2008, , .		0

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109	â€œSmartâ€•pH-Responsive Carriers for Intracellular Delivery of Biomolecular Drugs. Fundamental Biomedical Technologies, 2008, , 143-159.	0.2	5
110	Design of "Smart" Nano-Scale Delivery Systems for Biomolecular Therapeutics. Journal of Biomedical Nanotechnology, 2007, 3, 213-217.	0.5	18
111	DEVELOPMENT OF AN INJECTABLE PH- AND TEMPERATURE-RESPONSIVE HYDROGEL DRUG DELIVERY SYSTEM.. Journal of Investigative Medicine, 2007, 55, S113.	0.7	1
112	Formation of a Novel Heparin-Based Hydrogel in the Presence of Heparin-Binding Biomolecules. Biomacromolecules, 2007, 8, 1979-1986.	2.6	153
113	Dual Magnetic-/Temperature-Responsive Nanoparticles for Microfluidic Separations and Assays. Langmuir, 2007, 23, 7385-7391.	1.6	156
114	Thermodynamic Roles of Basic Amino Acids in Statherin Recognition of Hydroxyapatite. Biochemistry, 2007, 46, 4725-4733.	1.2	62
115	The structure, dynamics, and energetics of protein adsorptionâ€”lessons learned from adsorption of statherin to hydroxyapatite. Magnetic Resonance in Chemistry, 2007, 45, S32-S47.	1.1	44
116	Solid state NMR studies of molecular recognition at proteinâ€“mineral interfaces. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 50, 71-85.	3.9	50
117	Conjugates of stimuli-responsive polymers and proteins. Progress in Polymer Science, 2007, 32, 922-932.	11.8	290
118	Internalization of novel non-viral vector TAT-streptavidin into human cells. BMC Biotechnology, 2007, 7, 1.	1.7	119
119	Synthesis of Monodisperse Biotinylated p(NIPAAm)-Coated Iron Oxide Magnetic Nanoparticles and their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 6299-6304.	1.6	133
120	Surface modification of microfluidic channels by UV-mediated graft polymerization of non-fouling and â€˜smartâ€™ polymers. Radiation Physics and Chemistry, 2007, 76, 1409-1413.	1.4	69
121	Switchable surface traps for injectable bead-based chromatography in PDMS microfluidic channels. Lab on A Chip, 2006, 6, 843.	3.1	124
122	PEG-cross-linked heparin is an affinity hydrogel for sustained release of vascular endothelial growth factor. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 187-197.	1.9	137
123	pH-Responsive Poly(styrene-alt-maleic anhydride) Alkylamide Copolymers for Intracellular Drug Delivery. Biomacromolecules, 2006, 7, 2407-2414.	2.6	203
124	Controlling the Aggregation of Conjugates of Streptavidin with Smart Block Copolymers Prepared via the RAFT Copolymerization Technique. Biomacromolecules, 2006, 7, 2736-2741.	2.6	131
125	Cooperative hydrogen bond interactions in the streptavidin-biotin system. Protein Science, 2006, 15, 459-467.	3.1	123
126	Thermodynamics of Statherin Adsorption onto Hydroxyapatite. Biochemistry, 2006, 45, 5576-5586.	1.2	74

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127	Homonuclear and Heteronuclear NMR Studies of a Statherin Fragment Bound to Hydroxyapatite Crystals. Journal of Physical Chemistry B, 2006, 110, 9324-9332.	1.2	50
128	A Solid-State NMR Study of the Dynamics and Interactions of Phenylalanine Rings in a Statherin Fragment Bound to Hydroxyapatite Crystals. Journal of the American Chemical Society, 2006, 128, 5364-5370.	6.6	53
129	Poly(N-isopropylacrylamide-co-propylacrylic acid) Copolymers That Respond Sharply to Temperature and pH. Biomacromolecules, 2006, 7, 1381-1385.	2.6	379
130	Micro and Nanoscale Smart Polymer Technologies in Biomedicine. , 2006, , 289-304.		2
131	Folding of the C-terminal bacterial binding domain in statherin upon adsorption onto hydroxyapatite crystals. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16083-16088.	3.3	88
132	188. Internalization of Novel Delivery Vector TAT-Streptavidin into Human Cells. Molecular Therapy, 2006, 13, S73.	3.7	1
133	In Vivo Imaging of Bone Regeneration Induced by Angiogenic and Osteoinductive Hydrogel Scaffolds. , 2006, , .		0
134	Control of cavitation-induced hemolysis with a surface-active polymer. Acoustics Research Letters Online: ARLO, 2005, 6, 201-206.	0.7	0
135	Solid-State NMR Structural Studies of Peptides Immobilized on Gold Nanoparticles. Langmuir, 2005, 21, 3002-3007.	1.6	32
136	Design and development of polymers for gene delivery. Nature Reviews Drug Discovery, 2005, 4, 581-593.	21.5	2,279
137	'Smart' delivery systems for biomolecular therapeutics. Orthodontics and Craniofacial Research, 2005, 8, 219-225.	1.2	82
138	Rational design of composition and activity correlations for pH-sensitive and glutathione-reactive polymer therapeutics. Journal of Controlled Release, 2005, 101, 47-58.	4.8	73
139	Erratum to â€œRational design of composition and activity correlations for pH-sensitive and glutathione-reactive polymer therapeuticsâ€•[J. Control. Release 101 (1â€“3) (2005) 47â€“58]. Journal of Controlled Release, 2005, 104, 415.	4.8	5
140	Rational design of composition and activity correlations for pH-responsive and glutathione-reactive polymer therapeutics. Journal of Controlled Release, 2005, 104, 417-427.	4.8	46
141	Smart Polymer-Streptavidin Conjugates. ChemInform, 2005, 36, no.	0.1	0
142	Dual-affinity avidin molecules. Proteins: Structure, Function and Bioinformatics, 2005, 61, 597-607.	1.5	27
143	Poly(propylacrylic acid)-mediated serum stabilization of cationic lipoplexes. Journal of Biomaterials Science, Polymer Edition, 2005, 16, 163-179.	1.9	16
144	Design and Construction of Highly Stable, Protease-resistant Chimeric Avidins. Journal of Biological Chemistry, 2005, 280, 10228-10233.	1.6	47

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145	A TATâ€“streptavidin fusion protein directs uptake of biotinylated cargo into mammalian cells. Protein Engineering, Design and Selection, 2005, 18, 147-152.	1.0	49
146	Semi-interpenetrating network of poly(ethylene glycol) and poly(D, L-lactide) for the controlled delivery of protein drugs. Journal of Biomaterials Science, Polymer Edition, 2005, 16, 189-201.	1.9	10
147	Monocyte activation on polyelectrolyte multilayers. Journal of Biomaterials Science, Polymer Edition, 2005, 16, 237-251.	1.9	21
148	Smart polymeric carriers for enhanced intracellular delivery of therapeutic macromolecules. Expert Opinion on Biological Therapy, 2005, 5, 23-32.	1.4	70
149	Intelligent Biohybrid Materials for Therapeutic and Imaging Agent Delivery. Proceedings of the IEEE, 2005, 93, 726-736.	16.4	28
150	Role of Biotin-Binding Affinity in Streptavidin-Based Pretargeted Radioimmunotherapy of Lymphoma. Bioconjugate Chemistry, 2005, 16, 131-138.	1.8	24
151	A REDOR NMR Study of a Phosphorylated Statherin Fragment Bound to Hydroxyapatite Crystals. Journal of the American Chemical Society, 2005, 127, 9350-9351.	6.6	58
152	Effect of polymer surface activity on cavitation nuclei stability against dissolution. Journal of the Acoustical Society of America, 2004, 116, 721-728.	0.5	11
153	Hyaluronic acid grafting mitigates calcification of glutaraldehyde-fixed bovine pericardium. Journal of Biomedical Materials Research Part B, 2004, 70A, 328-334.	3.0	56
154	â€œSmartâ€•mobile affinity matrix for microfluidic immunoassays. Lab on A Chip, 2004, 4, 412-415.	3.1	84
155	Some personal reflections on the career of Allan Hoffman in honor of his 70th birthday. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 379-384.	1.9	0
156	Formulation of chitosan-DNA nanoparticles with poly(propyl acrylic acid) enhances gene expression. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 1405-1421.	1.9	71
157	Reversible Meso-Scale Smart Polymerâ˜Protein Particles of Controlled Sizes. Bioconjugate Chemistry, 2004, 15, 747-753.	1.8	104
158	Anti-inflammatory drug delivery from hyaluronic acid hydrogels. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 1111-1119.	1.9	98
159	Bioconjugates of smart polymers and proteins: synthesis and applications. Macromolecular Symposia, 2004, 207, 139-152.	0.4	174
160	Smart Polymerâ€“Streptavidin Conjugates. , 2004, 283, 037-044.		10
161	Antibiotic Treatment in a Murine Model of Sepsis: Impact on Cytokines and Endotoxin Release. Shock, 2004, 21, 115-120.	1.0	86
162	A new pH-responsive and glutathione-reactive, endosomal membrane-disruptive polymeric carrier for intracellular delivery of biomolecular drugs. Journal of Controlled Release, 2003, 93, 105-120.	4.8	240

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163	Delivering the vaccination mail. Trends in Biotechnology, 2003, 21, 465-467.	4.9	5
164	Design and synthesis of pH-responsive polymeric carriers that target uptake and enhance the intracellular delivery of oligonucleotides. Journal of Controlled Release, 2003, 89, 365-374.	4.8	220
165	Biomimetic peptides that engage specific integrin-dependent signaling pathways and bind to calcium phosphate surfaces. Journal of Biomedical Materials Research Part B, 2003, 67A, 69-77.	3.0	63
166	Spatially organized layers of cardiomyocytes on biodegradable polyurethane films for myocardial repair. Journal of Biomedical Materials Research Part B, 2003, 66A, 586-595.	3.0	195
167	Structural characterization and comparison of RGD cell-adhesion recognition sites engineered into streptavidin. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 828-834.	2.5	14
168	Structural studies of hydrogen bonds in the high-affinity streptavidinâ€“biotin complex: mutations of amino acids interacting with the ureido oxygen of biotin. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1567-1573.	2.5	17
169	Temperature-Induced Switching of Enzyme Activity with Smart Polymerâ˜Enzyme Conjugates. Bioconjugate Chemistry, 2003, 14, 517-525.	1.8	142
170	Bioinspired pH-Responsive Polymers for the Intracellular Delivery of Biomolecular Drugs. Bioconjugate Chemistry, 2003, 14, 412-419.	1.8	219
171	A Smart Microfluidic Affinity Chromatography Matrix Composed of Poly(N-isopropylacrylamide)-Coated Beads. Analytical Chemistry, 2003, 75, 2943-2949.	3.2	132
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