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	Design and development of polymers for gene delivery. Nature Reviews Drug Discovery, 2005, 4, 581-593.	21.5	2,279
2	Control of proteinâ€"ligand recognition using a stimuli-responsive polymer. Nature, 1995, 378, 472-474.	13.7	674
3	The design and synthesis of polymers for eukaryotic membrane disruption. Journal of Controlled Release, 1999, 61, 137-143.	4.8	396
4	Poly(N-isopropylacrylamide-co-propylacrylic acid) Copolymers That Respond Sharply to Temperature and pH. Biomacromolecules, 2006, 7, 1381-1385.	2.6	379
5	Development of a novel endosomolytic diblock copolymer for siRNA delivery. Journal of Controlled Release, 2009, 133, 221-229.	4.8	367
6	Photoresponsive polymer-enzyme switches. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16592-16596.	3.3	308
7	Really smart bioconjugates of smart polymers and receptor proteins. Journal of Biomedical Materials Research Part B, 2000, 52, 577-586.	3.0	301
8	Conjugates of stimuli-responsive polymers and proteins. Progress in Polymer Science, 2007, 32, 922-932.	11.8	290
9	Hyaluronic acid hydrogels with controlled degradation properties for oriented bone regeneration. Biomaterials, 2010, 31, 6772-6781.	5.7	282
10	pH-Responsive Nanoparticle Vaccines for Dual-Delivery of Antigens and Immunostimulatory Oligonucleotides. ACS Nano, 2013, 7, 3912-3925.	7.3	280
11	A conserved residue of cytochrome P-450 is involved in heme-oxygen stability and activation. Journal of the American Chemical Society, 1989, 111, 9252-9253.	6.6	272
12	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
13	Size-dependent control of the binding of biotinylated proteins to streptavidin using a polymer shield. Nature, 2001, 411, 59-62.	13.7	237
14	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
15	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
16	Bioinspired pH-Responsive Polymers for the Intracellular Delivery of Biomolecular Drugs. Bioconjugate Chemistry, 2003, 14, 412-419.	1.8	219
17	pH-Responsive Polymeric Micelle Carriers for siRNA Drugs. Biomacromolecules, 2010, 11, 2904-2911.	2.6	209
18	Site-directed mutagenesis studies of the high-affinity streptavidin-biotin complex: contributions of tryptophan residues 79, 108, and 120.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 1754-1758.	3.3	205

#	Article	IF	Citations
19	Poly(2-alkylacrylic acid) polymers deliver molecules to the cytosol by pH-sensitive disruption of endosomal vesicles. Biochemical Journal, 2003, 372, 65-75.	1.7	205
20	pH-Responsive Poly(styrene-alt-maleic anhydride) Alkylamide Copolymers for Intracellular Drug Delivery. Biomacromolecules, 2006, 7, 2407-2414.	2.6	203
21	Molecular Origins of the Slow Streptavidin-Biotin Dissociation Kinetics. Journal of the American Chemical Society, 1995, 117, 10622-10628.	6.6	199
22	Molecular Recognition between Genetically Engineered Streptavidin and Surface-Bound Biotin. Journal of the American Chemical Society, 1999, 121, 6469-6478.	6.6	195
23	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
24	pH-Sensitive polymers that enhance intracellular drug delivery in vivo. Journal of Controlled Release, 2002, 78, 295-303.	4.8	191
25	Site-Specific Polymerâˆ’Streptavidin Bioconjugate for pH-Controlled Binding and Triggered Release of Biotin. Bioconjugate Chemistry, 2000, 11, 78-83.	1.8	190
26	Surface Characterization of Mixed Self-Assembled Monolayers Designed for Streptavidin Immobilization. Langmuir, 2001, 17, 2807-2816.	1.6	190
27	Binding and Dissociation Kinetics of Wild-Type and Mutant Streptavidins on Mixed Biotin-Containing Alkylthiolate Monolayers. Langmuir, 2000, 16, 9421-9432.	1.6	187
28	Structural studies of the streptavidin binding loop. Protein Science, 1997, 6, 1157-1166.	3.1	180
29	In vitro generation of differentiated cardiac myofibers on micropatterned laminin surfaces. Journal of Biomedical Materials Research Part B, 2002, 60, 472-479.	3.0	174
30	Bioconjugates of smart polymers and proteins: synthesis and applications. Macromolecular Symposia, 2004, 207, 139-152.	0.4	174
31	Structure and Dynamics of Hydrated Statherin on Hydroxyapatite As Determined by Solid-State NMR. Biochemistry, 2001, 40, 15451-15455.	1.2	166
32	Injectable pH- and Temperature-Responsive Poly(N-isopropylacrylamide-<i>co</i>-propylacrylic acid) Copolymers for Delivery of Angiogenic Growth Factors. Biomacromolecules, 2010, 11, 1833-1839.	2.6	165
33	The relationship between ligand-binding thermodynamics and protein-ligand interaction forces measured by atomic force microscopy. Biophysical Journal, 1995, 69, 2125-2130.	0.2	162
34	A pH-Sensitive Polymer That Enhances Cationic Lipid-Mediated Gene Transfer. Bioconjugate Chemistry, 2001, 12, 906-910.	1.8	162
35	Biomaterial topography alters healing <i>in vivo</i> and monocyte/macrophage activation <i>in vitro</i>. Journal of Biomedical Materials Research - Part A, 2010, 95A, 649-657.	2.1	162
36	Dual Magnetic-/Temperature-Responsive Nanoparticles for Microfluidic Separations and Assays. Langmuir, 2007, 23, 7385-7391.	1.6	156

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37	Cytochrome P-450cam binding surface defined by site-directed mutagenesis and electrostatic modeling. Biochemistry, 1990, 29, 7381-7386.	1.2	154
38	Formation of a Novel Heparin-Based Hydrogel in the Presence of Heparin-Binding Biomolecules. Biomacromolecules, 2007, 8, 1979-1986.	2.6	153
39	Putidaredoxin competitively inhibits cytochrome b5-cytochrome P-450cam association: a proposed molecular model for a cytochrome P-450cam electron-transfer complex. Biochemistry, 1989, 28, 8201-8205.	1.2	147
40	Temperature-Induced Switching of Enzyme Activity with Smart Polymerâ^'Enzyme Conjugates. Bioconjugate Chemistry, 2003, 14, 517-525.	1.8	142
41	A Biomimetic pH-Responsive Polymer Directs Endosomal Release and Intracellular Delivery of an Endocytosed Antibody Complex. Bioconjugate Chemistry, 2002, 13, 996-1001.	1.8	140
42	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
43	Site-Specific Conjugation of a Temperature-Sensitive Polymer to a Genetically Engineered Protein. Bioconjugate Chemistry, 1994, 5, 504-507.	1.8	136
44	Synthesis of Monodisperse Biotinylated p(NIPAAm)-Coated Iron Oxide Magnetic Nanoparticles and their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 6299-6304.	1.6	133
45	A Smart Microfluidic Affinity Chromatography Matrix Composed of Poly(N-isopropylacrylamide)-Coated Beads. Analytical Chemistry, 2003, 75, 2943-2949.	3.2	132
46	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
47	Energetic Roles of Hydrogen Bonds at the Ureido Oxygen Binding Pocket in the Streptavidinâ^'Biotin Complexâ€. Biochemistry, 1998, 37, 7657-7663.	1.2	130
48	Dissociation of tetrameric ions of noncovalent streptavidin complexes formed by electrospray ionization. Journal of the American Society for Mass Spectrometry, 1995, 6, 459-465.	1.2	128
49	Switchable surface traps for injectable bead-based chromatography in PDMS microfluidic channels. Lab on A Chip, 2006, 6, 843.	3.1	124
50	Cooperative hydrogen bond interactions in the streptavidin-biotin system. Protein Science, 2006, 15, 459-467.	3.1	123
51	Hemolytic Activity of pH-Responsive Polymer-Streptavidin Bioconjugatesâ€. Bioconjugate Chemistry, 1999, 10, 401-405.	1.8	121
52	Internalization of novel non-viral vector TAT-streptavidin into human cells. BMC Biotechnology, 2007, 7, 1.	1.7	119
53	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
54	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

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55	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
56	Thermosensitive Liposomes Modified with Poly(<i>N</i>-isopropylacrylamide-<i>co</i>-propylacrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	116
57	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
58	Photoswitching of Ligand Association with a Photoresponsive Polymerâ˘'Protein Conjugate. Bioconjugate Chemistry, 2002, 13, 915-919.	1.8	114
59	Functionalized nanoparticles provide early cardioprotection after acute myocardial infarction. Journal of Controlled Release, 2013, 170, 287-294.	4.8	112
60	Application of Living Free Radical Polymerization for Nucleic Acid Delivery. Accounts of Chemical Research, 2012, 45, 1089-1099.	7.6	111
61	Multifunctional triblock copolymers for intracellular messenger RNA delivery. Biomaterials, 2012, 33, 6868-6876.	5.7	111
62	Temperature Control of Biotin Binding and Release with A Streptavidin-Poly(N-isopropylacrylamide) Site-Specific Conjugate. Bioconjugate Chemistry, 1999, 10, 395-400.	1.8	110
63	Chimeric Peptides of Statherin and Osteopontin That Bind Hydroxyapatite and Mediate Cell Adhesion. Journal of Biological Chemistry, 2000, 275, 16213-16218.	1.6	105
64	Molecular engineering of proteins and polymers for targeting and intracellular delivery of therapeutics. Journal of Controlled Release, 2000, 65, 203-220.	4.8	104
65	M<scp>olecular</scp> R<scp>ecognition at the</scp> P<scp>rotein-</scp>H<scp>ydroxyapatite</scp> I<scp>nterface</scp>. Critical Reviews in Oral Biology and Medicine, 2003, 14, 370-376.	4.4	104
66	Reversible Meso-Scale Smart Polymerâ˘'Protein Particles of Controlled Sizes. Bioconjugate Chemistry, 2004, 15, 747-753.	1.8	104
67	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
68	Diblock copolymers with tunable pH transitions for gene delivery. Biomaterials, 2012, 33, 2301-2309.	5.7	104
69	Streptavidinâ€"biotin binding energetics. New Biotechnology, 1999, 16, 39-44.	2.7	99
70	Anti-inflammatory drug delivery from hyaluronic acid hydrogels. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 1111-1119.	1.9	98
71	A peptide that inhibits hydroxyapatite growth is in an extended conformation on the crystal surface. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12083-12087.	3.3	97
72	Intracellular Delivery of a Proapoptotic Peptide via Conjugation to a RAFT Synthesized Endosomolytic Polymer. Molecular Pharmaceutics, 2010, 7, 468-476.	2.3	94

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73	Determination of Statherin N-Terminal Peptide Conformation on Hydroxyapatite Crystals. Journal of the American Chemical Society, 2000, 122, 1709-1716.	6.6	92
74	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
75	Thermoprecipitation of Streptavidin via Oligonucleotide-Mediated Self-Assembly with Poly(N-isopropylacrylamide). Bioconjugate Chemistry, 1999, 10, 720-725.	1.8	88
76	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
77	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
78	Antibiotic Treatment in a Murine Model of Sepsis: Impact on Cytokines and Endotoxin Release. Shock, 2004, 21, 115-120.	1.0	86
79	â€œSmartâ€•mobile affinity matrix for microfluidic immunoassays. Lab on A Chip, 2004, 4, 412-415.	3.1	84
80	Genetic engineering of redox donor sites: measurement of intracomplex electron transfer between ruthenium-65-cytochrome b5 and cytochrome c. Biochemistry, 1992, 31, 7237-7242.	1.2	83
81	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
82	Streptavidin and its biotin complex at atomic resolution. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 813-821.	2.5	83
83	'Smart' delivery systems for biomolecular therapeutics. Orthodontics and Craniofacial Research, 2005, 8, 219-225.	1.2	82
84	Structural studies of binding site tryptophan mutants in the high-affinity streptavidin-biotin complex 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 1998, 279, 211-221.	2.0	77
85	Antigen Delivery with Poly(Propylacrylic Acid) Conjugation Enhances MHC-1 Presentation and T-Cell Activation. Bioconjugate Chemistry, 2009, 20, 241-248.	1.8	77
86	Dynamic bioprocessing and microfluidic transport control with smart magnetic nanoparticles in laminar-flow devices. Lab on A Chip, 2009, 9, 1997.	3.1	77
87	Organic nanoparticles for drug delivery and imaging. MRS Bulletin, 2014, 39, 219-223.	1.7	77
88	Two-dimensional protein crystallization via metal-ion coordination by naturally occurring surface histidines.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 4937-4941.	3.3	76
89	Ser45 plays an important role in managing both the equilibrium and transition state energetics of the streptavidinâ€"biotin system. Protein Science, 2000, 9, 878-885.	3.1	75
90	TOF-SIMS 3D Imaging of Native and Non-Native Species within HeLa Cells. Analytical Chemistry, 2013, 85, 10869-10877.	3.2	75

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91	Thermodynamics of Statherin Adsorption onto Hydroxyapatite. Biochemistry, 2006, 45, 5576-5586.	1.2	74
92	Nanoparticle distribution during systemic inflammation is size-dependent and organ-specific. Nanoscale, 2015, 7, 15863-15872.	2.8	74
93	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
94	Design of ?Smart? polymers that can ï¿½direct intracellular drug delivery. Polymers for Advanced Technologies, 2002, 13, 992-999.	1.6	72
95	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
96	Genetic engineering of surface attachment sites yields oriented protein monolayers. Journal of the American Chemical Society, 1992, 114, 9298-9299.	6.6	70
97	Thermodynamic and structural consequences of flexible loop deletion by circular permutation in the streptavidinâ€biotin system. Protein Science, 1998, 7, 848-859.	3.1	70
98	Smart polymeric carriers for enhanced intracellular delivery of therapeutic macromolecules. Expert Opinion on Biological Therapy, 2005, 5, 23-32.	1.4	70
99	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
100	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
101	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
102	Determination of Torsion Angles in Proteins and Peptides Using Solid State NMR. Journal of the American Chemical Society, 1999, 121, 8373-8375.	6.6	68
103	STRUCTURALSTUDIES OFBIOMATERIALSUSINGDOUBLE-QUANTUMSOLID-STATENMR SPECTROSCOPY. Annual Review of Physical Chemistry, 2003, 54, 531-571.	4.8	68
104	In vivo targeting of alveolar macrophages via RAFT-based glycopolymers. Biomaterials, 2012, 33, 6889-6897.	5.7	67
105	Intramolecular electron transfer in cytochrome b5 labeled with ruthenium(II) polypyridine complexes: rate measurements in the Marcus inverted region. Journal of the American Chemical Society, 1993, 115, 6820-6824.	6.6	66
106	Computationally designed high specificity inhibitors delineate the roles of BCL2 family proteins in cancer. ELife, 2016, 5, .	2.8	65
107	â€œSmartâ€•Diblock Copolymers as Templates for Magnetic-Core Gold-Shell Nanoparticle Synthesis. Nano Letters, 2010, 10, 85-91.	4.5	64
108	Antibody Fragments in Tumor Pretargeting. Evaluation of Biotinylated Fabâ€˜ Colocalization with Recombinant Streptavidin and Avidin. Bioconjugate Chemistry, 1996, 7, 689-702.	1.8	63

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109	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
110	A structural snapshot of an intermediate on the streptavidin-biotin dissociation pathway. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8384-8389.	3.3	62
111	Thermodynamic Roles of Basic Amino Acids in Statherin Recognition of Hydroxyapatite. Biochemistry, 2007, 46, 4725-4733.	1.2	62
112	Determination of cytochrome b5 association reactions. Characterization of metmyoglobin and cytochrome P-450cam binding to genetically engineered cytochromeb5.. Journal of Biological Chemistry, 1988, 263, 13544-13548.	1.6	62
113	A Solid State NMR Study of Dynamics in a Hydrated Salivary Peptide Adsorbed to Hydroxyapatite. Journal of the American Chemical Society, 2000, 122, 7118-7119.	6.6	60
114	Surface plasmon resonance measurement of binding and dissociation of wild-type and mutant streptavidin on mixed biotin-containing alkylthiolate monolayers. Sensors and Actuators B: Chemical, 1999, 54, 137-144.	4.0	58
115	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
116	Melittin-grafted HPMA-oligolysine based copolymers for gene delivery. Biomaterials, 2013, 34, 2318-2326.	5.7	57
117	Assembly of Î±-helical Peptide Coatings on Hydrophobic Surfaces. Journal of the American Chemical Society, 2002, 124, 6297-6303.	6.6	56
118	Hyaluronic acid grafting mitigates calcification of glutaraldehyde-fixed bovine pericardium. Journal of Biomedical Materials Research Part B, 2004, 70A, 328-334.	3.0	56
119	Synthesis of Folate-Functionalized RAFT Polymers for Targeted siRNA Delivery. Biomacromolecules, 2011, 12, 2708-2714.	2.6	56
120	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
121	Structural microheterogeneity of a tryptophan residue required for efficient biological electron transfer between putidaredoxin and cytochrome P-450CAM. Biochemistry, 1991, 30, 1845-1851.	1.2	55
122	Contributions of a Highly Conserved VH/VL Hydrogen Bonding Interaction to scFv Folding Stability and Refolding Efficiency. Biophysical Journal, 1998, 75, 1473-1482.	0.2	53
123	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
124	pH-sensitive hemolysis by random copolymers of alkyl acrylates and acrylic acid. Macromolecular Symposia, 2001, 172, 49-56.	0.4	52
125	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
126	Enhancement of MHC-I Antigen Presentation via Architectural Control of pH-Responsive, Endosomolytic Polymer Nanoparticles. AAPS Journal, 2015, 17, 358-369.	2.2	52

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127	A Streptavidinâ˘'Biotin Binding System That Minimizes Blocking by Endogenous Biotin. Bioconjugate Chemistry, 2002, 13, 588-598.	1.8	51
128	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
129	Solid state NMR studies of molecular recognition at proteinâ€"mineral interfaces. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 50, 71-85.	3.9	50
130	Affinity Thermoprecipitation and Recovery of Biotinylated Biomolecules via a Mutant Streptavidinâ˘'Smart Polymer Conjugate. Bioconjugate Chemistry, 2003, 14, 575-580.	1.8	49
131	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
132	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
133	Polymer nanostructures synthesized by controlled living polymerization for tumor-targeted drug delivery. Journal of Controlled Release, 2015, 219, 345-354.	4.8	48
134	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
135	Design and Construction of Highly Stable, Protease-resistant Chimeric Avidins. Journal of Biological Chemistry, 2005, 280, 10228-10233.	1.6	47
136	ToFâ€SIMS imaging and depth profiling of HeLa cells treated with bromodeoxyuridine. Surface and Interface Analysis, 2011, 43, 354-357.	0.8	47
137	Enzyme-Cleavable Polymeric Micelles for the Intracellular Delivery of Proapoptotic Peptides. Molecular Pharmaceutics, 2017, 14, 1450-1459.	2.3	47
138	Polymer-augmented liposomes enhancing antibiotic delivery against intracellular infections. Biomaterials Science, 2018, 6, 1976-1985.	2.6	47
139	Affinity separation using an Fv antibody fragment-?smart? polymer conjugate. Biotechnology and Bioengineering, 2002, 79, 271-276.	1.7	46
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	End-Functionalized Polymers and Junction-Functionalized Diblock Copolymers Via RAFT Chain Extension with Maleimido Monomers. Bioconjugate Chemistry, 2009, 20, 1122-1128.	1.8	46
142	Antibody targeting facilitates effective intratumoral siRNA nanoparticle delivery to HER2-overexpressing cancer cells. Oncotarget, 2016, 7, 9561-9575.	0.8	46
143	RAFT polymerization of ciprofloxacin prodrug monomers for the controlled intracellular delivery of antibiotics. Polymer Chemistry, 2016, 7, 826-837.	1.9	45
144	Development of new biotin/streptavidin reagents for pretargeting. New Biotechnology, 1999, 16, 113-118.	2.7	44

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145	Mechanistic Investigation of Smart Polymerâˆ'Protein Conjugates. Bioconjugate Chemistry, 2001, 12, 314-319.	1.8	44
146	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
147	Engineered Chimeric Streptavidin Tetramers as Novel Tools for Bioseparations and Drug Delivery. Nature Biotechnology, 1995, 13, 1198-1204.	9.4	43
148	Engineering protein orientation at surfaces to control macromolecular recognition events. Analytical Chemistry, 1993, 65, 2676-2678.	3.2	42
149	Neutral Polymeric Micelles for RNA Delivery. Bioconjugate Chemistry, 2013, 24, 398-407.	1.8	42
150	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
151	Synthesis of Statistical Copolymers Containing Multiple Functional Peptides for Nucleic Acid Delivery. Biomacromolecules, 2010, 11, 3007-3013.	2.6	38
152	Intracellular Delivery and Trafficking Dynamics of a Lymphoma-Targeting Antibodyâ€"Polymer Conjugate. Molecular Pharmaceutics, 2012, 9, 3506-3514.	2.3	38
153	Theranostic Oxygen Reactive Polymers for Treatment of Traumatic Brain Injury. Advanced Functional Materials, 2016, 26, 4124-4133.	7.8	38
154	Glycan targeted polymeric antibiotic prodrugs for alveolar macrophage infections. Biomaterials, 2019, 195, 38-50.	5.7	38
155	Determination of cytochrome b5 association reactions. Characterization of metmyoglobin and cytochrome P-450cam binding to genetically engineered cytochromeb5. Journal of Biological Chemistry, 1988, 263, 13544-8.	1.6	37
156	Title is missing!. Plasmas and Polymers, 2002, 7, 171-183.	1.5	36
157	Retention and biodistribution of microspheres injected into ischemic myocardium. Journal of Biomedical Materials Research - Part A, 2009, 88A, 704-710.	2.1	36
158	Streptavidin in Antibody Pretargeting. 2. Evaluation of Methods for Decreasing Localization of Streptavidin to Kidney while Retaining Its Tumor Binding Capacity. Bioconjugate Chemistry, 1998, 9, 322-330.	1.8	35
159	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
160	Engineering the isoelectric point of a renal cell carcinoma targeting antibody greatly enhances scFv solubility. Immunotechnology: an International Journal of Immunological Engineering, 1998, 4, 107-114.	2.4	34
161	Heparin-regulated delivery of osteoprotegerin promotes vascularization of implanted hydrogels. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 1021-1034.	1.9	34
162	Dynamic intracellular delivery of antibiotics via pH-responsive polymersomes. Polymer Chemistry, 2015, 6, 1255-1266.	1.9	34

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163	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
164	pH-responsive polymerâ€“antigen vaccine bioconjugates. Polymer Chemistry, 2011, 2, 1499.	1.9	33
165	Intracellular Delivery System for Antibodyâ€“Peptide Drug Conjugates. Molecular Therapy, 2015, 23, 907-917.	3.7	33
166	[3] Mutagenesis of cytochromes P450cam and b5. Methods in Enzymology, 1991, 206, 31-49.	0.4	32
167	Protein Electrostatic Surface Distribution Can Determine Whether Calcium Oxalate Crystal Growth is Promoted or Inhibited. Calcified Tissue International, 1999, 64, 516-521.	1.5	32
168	Solid-State NMR Structural Studies of Peptides Immobilized on Gold Nanoparticles. Langmuir, 2005, 21, 3002-3007.	1.6	32
169	Time-resolved fluorescence studies of genetically engineered Escherichia coli glutamine synthetase. Effects of ATP on the tryptophan-57 loop. Biochemistry, 1991, 30, 3406-3416.	1.2	31
170	Surface-Linked Molecular Monolayers of an Engineered Myoglobin:Â Structure, Stability, and Function. Langmuir, 1996, 12, 1278-1283.	1.6	31
171	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
172	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
173	Stimuli-Responsive Polymer-Antibody Conjugates via RAFT and Tetrafluorophenyl Active Ester Chemistry. ACS Macro Letters, 2013, 2, 132-136.	2.3	31
174	Temperature-Responsive Magnetic Nanoparticles for Enabling Affinity Separation of Extracellular Vesicles. ACS Applied Materials & Interfaces, 2018, 10, 33847-33856.	4.0	31
175	Investigation of non-covalent ligand binding to the intact streptavidin tetramer by electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 1995, 30, 1095-1102.	0.7	29
176	X-ray crystallographic studies of streptavidin mutants binding to biotin. New Biotechnology, 1999, 16, 13-19.	2.7	29
177	Incorporation of fluorescent molecules and proteins into calcium oxalate monohydrate single crystals. Journal of Crystal Growth, 2001, 233, 380-388.	0.7	29
178	Laboratory-scale protein striping system for patterning biomolecules onto paper-based immunochromatographic test strips. Lab on A Chip, 2010, 10, 2279.	3.1	29
179	Intelligent Biohybrid Materials for Therapeutic and Imaging Agent Delivery. Proceedings of the IEEE, 2005, 93, 726-736.	16.4	28
180	Stimuli-Responsive Reagent System for Enabling Microfluidic Immunoassays with Biomarker Purification and Enrichment. Bioconjugate Chemistry, 2015, 26, 29-38.	1.8	28

#	Article	IF	Citations
181	Early mechanistic events in biotin dissociation from streptavidin. Nature Structural Biology, 2002, 9, 582-5.	9.7	27
182	Dual-affinity avidin molecules. Proteins: Structure, Function and Bioinformatics, 2005, 61, 597-607.	1.5	27
183	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
184	Molecular Basis for Ionic Strength Dependence and Crystal Morphology in Two-Dimensional Streptavidin Crystallization. Langmuir, 1998, 14, 4683-4687.	1.6	25
185	Theoretical and Experimental Studies of Biotin Analogues That Bind Almost as Tightly to Streptavidin as Biotin. Journal of Organic Chemistry, 2002, 67, 1827-1837.	1.7	25
186	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
187	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
188	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
189	Nanostructured glycopolymer augmented liposomes to elucidate carbohydrate-mediated targeting. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2031-2041.	1.7	25
190	Streptavidin in Antibody Pretargeting. Comparison of a Recombinant Streptavidin with Two Streptavidin Mutant Proteins and Two Commercially Available Streptavidin Proteins. Bioconjugate Chemistry, 1998, 9, 100-107.	1.8	24
191	Role of Biotin-Binding Affinity in Streptavidin-Based Pretargeted Radioimmunotherapy of Lymphoma. Bioconjugate Chemistry, 2005, 16, 131-138.	1.8	24
192	<i>In Situ</i>Characterization 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
193	Wellâ€Defined Mannosylated Polymer for Peptide Vaccine Delivery with Enhanced Antitumor Immunity. Advanced Healthcare Materials, 2022, 11, e2101651.	3.9	24
194	Modification of ricin A chain, by addition of endoplasmic reticulum (KDEL) or Golgi (YQRL) retention sequences, enhances its cytotoxicity and translocation. Cancer Immunology, Immunotherapy, 1998, 46, 55-60.	2.0	22
195	A Photoinduced Nanoparticle Separation in Microchannels via pH-Sensitive Surface Traps. Langmuir, 2013, 29, 5388-5393.	1.6	22
196	Monocyte activation on polyelectrolyte multilayers. Journal of Biomaterials Science, Polymer Edition, 2005, 16, 237-251.	1.9	21
197	Efficient intracellular delivery of a pro-apoptotic peptide with a pH-responsive carrier. Reactive and Functional Polymers, 2011, 71, 261-265.	2.0	21
198	Polymerâ€“trimannoside conjugates via a combination of RAFT and thiolâ€“ene chemistry. Polymer Chemistry, 2013, 4, 1153-1160.	1.9	21

#	Article	IF	Citations
199	Liquid Crystallinity of a Biological Polysaccharide: The Levan/Water Phase Diagram. Macromolecules, 1994, 27, 953-957.	2.2	20
200	Constrained Cell Recognition Peptides Engineered into Streptavidin. Biotechnology Progress, 1999, 15, 391-396.	1.3	20
201	Synthetic Macromolecular Antibiotic Platform for Inhalable Therapy against Aerosolized Intracellular Alveolar Infections. Molecular Pharmaceutics, 2017, 14, 1988-1997.	2.3	20
202	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
203	Reloadable multidrug capturing delivery system for targeted ischemic disease treatment. Science Translational Medicine, 2016, 8, 365ra160.	5.8	19
204	Three-dimensional localization of polymer nanoparticles in cells using ToF-SIMS. Biointerphases, 2016, 11, 02A304.	0.6	19
205	Chemotherapeutic copolymers prepared via the RAFT polymerization of prodrug monomers. Polymer Chemistry, 2016, 7, 4494-4505.	1.9	19
206	Smart and biofunctional streptavidin. New Biotechnology, 1999, 16, 93-99.	2.7	18
207	Quantitative interrogation of micropatterned biomolecules by surface force microscopy. Ultramicroscopy, 2000, 82, 193-202.	0.8	18
208	Design of "Smart" Nano-Scale Delivery Systems for Biomolecular Therapeutics. Journal of Biomedical Nanotechnology, 2007, 3, 213-217.	0.5	18
209	Well-defined single polymer nanoparticles for the antibody-targeted delivery of chemotherapeutic agents. Polymer Chemistry, 2015, 6, 1286-1299.	1.9	18
210	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
211	Conjugates of stimuliâ€responsive polymers and biomolecules: Random and siteâ€specific conjugates of temperatureâ€sensitive polymers and proteins. Macromolecular Symposia, 1997, 118, 553-562.	0.4	16
212	Poly(propylacrylic acid)-mediated serum stabilization of cationic lipoplexes. Journal of Biomaterials Science, Polymer Edition, 2005, 16, 163-179.	1.9	16
213	Role of N- and C-Terminal Amino Acids in Two-Dimensional Streptavidin Crystal Formation. Langmuir, 2000, 16, 5199-5204.	1.6	15
214	Bioinspired polymers that control intracellular drug delivery. Biotechnology and Bioprocess Engineering, 2001, 6, 205-212.	1.4	15
215	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
216	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

#	Article	IF	Citations
217	A Stimuli-Responsive, Binary Reagent System for Rapid Isolation of Protein Biomarkers. Analytical Chemistry, 2016, 88, 10404-10410.	3.2	14
218	Fully synthetic macromolecular prodrug chemotherapeutics with EGFR targeting and controlled camptothecin release kinetics. Polymer Chemistry, 2018, 9, 5224-5233.	1.9	13
219	Two-dimensional crystallization of streptavidin: in pursuit of the molecular origins of structure, morphology, and thermodynamics. New Biotechnology, 1999, 16, 29-38.	2.7	12
220	Focused Ultrasound and Poly(2-ethylacrylic acid) Act Synergistically To Disrupt Lipid Bilayers in Vitro. Macromolecules, 2001, 34, 2400-2401.	2.2	11
221	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
222	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
223	Smart Polymerâ€"Streptavidin Conjugates. , 2004, 283, 037-044.		10
224	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
225	pHâ€Responsive Hyperbranched Copolymers from Oneâ€Pot RAFT Copolymerization. Macromolecular Materials and Engineering, 2012, 297, 1175-1183.	1.7	10
226	Orientation and conformation of osteocalcin adsorbed onto calcium phosphate and silica surfaces. Biointerphases, 2017, 12, 02D411.	0.6	10
227	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
228	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
229	Radiant star nanoparticle prodrugs for the treatment of intracellular alveolar infections. Polymer Chemistry, 2018, 9, 2134-2146.	1.9	9
230	Mannose Conjugated Polymer Targeting <i>P.Âaeruginosa</i> Biofilms. ACS Infectious Diseases, 2020, 6, 2866-2871.	1.8	9
231	Characterization of an Anti-Cd44 Single-Chain F_VAntibody That Stimulates Natural Killer Cell Activity and Induces TNFÎ± Release. Immunological Investigations, 1995, 24, 907-926.	1.0	7
232	Atomic resolution structure of biotin-free Tyr43Phe streptavidin: what is in the binding site?. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 1118-1126.	2.5	7
233	May the force be with you. Nature, 1999, 397, 20-21.	13.7	7
234	Molecular Basis for Asymmetrical Growth in Two-Dimensional Streptavidin Crystals. Langmuir, 2002, 18, 7447-7451.	1.6	7

#	Article	IF	Citations
235	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
236	Second-Contact Shell Mutation Diminishes Streptavidinâ€"Biotin Binding Affinity through Transmitted Effects on Equilibrium Dynamics. Biochemistry, 2012, 51, 597-607.	1.2	7
237	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
238	pH and Salt Effects on Surface Activity and Self-Assembly of Copolymers Containing a Weak Polybase. Langmuir, 2016, 32, 9286-9292.	1.6	7
239	Engineering Two-Dimensional Protein Order at Surfaces. Journal of Pharmaceutical Sciences, 1997, 86, 1204-1209.	1.6	6
240	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
241	Liver-targeted polymeric prodrugs of 8-aminoquinolines for malaria radical cure. Journal of Controlled Release, 2021, 331, 213-227.	4.8	6
242	Effects of Interfacial Binding Kinetics on Two-Dimensional Streptavidin Crystallization. Langmuir, 1999, 15, 7125-7129.	1.6	5
243	Expression and Characterization of Human Salivary Statherin from Escherichia coli Using Two Different Fusion Constructs. Protein Expression and Purification, 1999, 16, 243-250.	0.6	5
244	Delivering the vaccination mail. Trends in Biotechnology, 2003, 21, 465-467.	4.9	5
245	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
246	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
247	Applications of â€œSmart Polymersâ€• as Biomaterials. , 2020, , 191-203.		5
248	Lytic Polyplex Vaccines Enhance Antigenâ€Specific Cytotoxic T Cell Response through Induction of Local Cell Death. Advanced Therapeutics, 2021, 4, 2100005.	1.6	5
249	â€œSmartâ€• pH-Responsive Carriers for Intracellular Delivery of Biomolecular Drugs. Fundamental Biomedical Technologies, 2008, , 143-159.	0.2	5
250	Improving Lateral-Flow Immunoassay (LFIA) Diagnostics via Biomarker Enrichment for mHealth. Methods in Molecular Biology, 2015, 1256, 71-84.	0.4	4
251	Micro and Nanoscale Smart Polymer Technologies in Biomedicine. , 2006, , 289-304.		2
252	Preface to the Chemistry of Materials Special Issue: Materials for Biological Applications. Chemistry of Materials, 2012, 24, 727-727.	3.2	2

#	Article	IF	Citations
253	Really smart bioconjugates of smart polymers and receptor proteins. , 2000, 52, 577.		2
254	188. Internalization of Novel Delivery Vector TAT-Streptavidin into Human Cells. Molecular Therapy, 2006, 13, S73.	3.7	1
255	DEVELOPMENT OF AN INJECTABLE PH- AND TEMPERATURE-RESPONSIVE HYDROGEL DRUG DELIVERY SYSTEM.. Journal of Investigative Medicine, 2007, 55, S113.	0.7	1
256	pH-Responsive Hyperbranched Copolymers from One-Pot RAFT Copolymerization of Propylacrylic Acid and Poly(ethylene glycol diacrylate). Advances in Science and Technology, 0, , .	0.2	1
257	Targeting. , 2013, , 1028-1036.		1
258	A nanofiber based antiviral (TAF) prodrug delivery system. Materials Science and Engineering C, 2022, 133, 112626.	3.8	1
259	Arming Immune Cell Therapeutics with Polymeric Prodrugs. Advanced Healthcare Materials, 2021, , 2101944.	3.9	1
260	Mechanisms of macromolecular recognition as probed by site directed mutagenesis. Journal of Inorganic Biochemistry, 1989, 36, 274.	1.5	0
261	Engineered Proteins for Biomaterials. Materials Research Society Symposia Proceedings, 1992, 292, 77.	0.1	0
262	Engineering Proteins for Electrooptical Biomaterials. Advances in Chemistry Series, 1994, , 475-490.	0.6	0
263	Crystal packing interactions in streptavidin crystals. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C240-C240.	0.3	0
264	Comparison of streptavidin WxF and WxA mutants with the native protein. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C233-C233.	0.3	0
265	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
266	Control of cavitation-induced hemolysis with a surface-active polymer. Acoustics Research Letters Online: ARLO, 2005, 6, 201-206.	0.7	0
267	Smart Polymer-Streptavidin Conjugates. ChemInform, 2005, 36, no.	0.1	0
268	Stabilized Micellar Formulation of Indocyanine Green for Near-Infrared Imaging. , 2008, , .		0
269	Think Small for Big Impact. Advanced Functional Materials, 2020, 30, 1909678.	7.8	0
270	Bioinspired Engineering of Intelligent Drug Delivery Systems and Proteinâ€" Polymer Conjugates. , 2002, , .		0

#	Article	IF	Citations
271	In Vivo Imaging of Bone Regeneration Induced by Angiogenic and Osteoinductive Hydrogel Scaffolds. , 2006, , .		0
272	Stimuli-Responsive Bioconjugate. , 2014, , 1-13.		0