

Ashutosh Chilkoti

List of Publications by Year in descending order

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Version: 2024-02-01

231
papers

24,354
citations

5268

83
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8167

148
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243
all docs

243
docs citations

243
times ranked

18814
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Fluorescence Enhancement in Diagnostics for Clinical Tests at Point-of-Care: A Review of Recent Technologies. <i>Advanced Materials</i> , 2023, 35, e2107986.	21.0	40
2	Smartphone Enabled Point-of-Care Detection of Serum Biomarkers. <i>Methods in Molecular Biology</i> , 2022, 2393, 343-365.	0.9	0
3	PEG-Like Brush Polymer Conjugate of RNA Aptamer That Shows Reversible Anticoagulant Activity and Minimal Immune Response. <i>Advanced Materials</i> , 2022, 34, e2107852.	21.0	19
4	Genetically encoded elastin-like polypeptide nanoparticles for drug delivery. <i>Current Opinion in Biotechnology</i> , 2022, 74, 146-153.	6.6	18
5	Polyethylene Glycol-Like Brush Polymer Conjugate of a Protein Drug Does Not Induce an Antipolymer Immune Response and Has Enhanced Pharmacokinetics than Its Polyethylene Glycol Counterpart. <i>Advanced Science</i> , 2022, 9, e2103672.	11.2	20
6	Intratumoral delivery of brachytherapy and immunotherapy by a thermally triggered polypeptide depot. <i>Journal of Controlled Release</i> , 2022, 343, 267-276.	9.9	15
7	Technologies for Frugal and Sensitive Point-of-Care Immunoassays. <i>Annual Review of Analytical Chemistry</i> , 2022, 15, 123-149.	5.4	6
8	Genetically Engineered Nanoparticles of Asymmetric Triblock Polypeptide with a Platinum(IV) Cargo Outperforms a Platinum(II) Analog and Free Drug in a Murine Cancer Model. <i>Nano Letters</i> , 2022, 22, 5898-5908.	9.1	4
9	Nanoscale Dynamics Dictate the Phase Separation Behavior of Intrinsically Disordered Proteins. <i>Biomacromolecules</i> , 2021, 22, 1015-1025.	5.4	7
10	Design of intrinsically disordered proteins that undergo phase transitions with lower critical solution temperatures. <i>APL Materials</i> , 2021, 9, .	5.1	29
11	Modular complement assemblies for mitigating inflammatory conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
12	Ultrasensitive point-of-care immunoassay for secreted glycoprotein detects Ebola infection earlier than PCR. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	22
13	Genetically Encoded Elastin-Like Polypeptides for Drug Delivery. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100209.	7.6	30
14	Protein Phase Separation Arising from Intrinsic Disorder: First-Principles to Bespoke Applications. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6740-6759.	2.6	38
15	Multiplexed, quantitative serological profiling of COVID-19 from blood by a point-of-care test. <i>Science Advances</i> , 2021, 7, .	10.3	42
16	Cellphone enabled point-of-care assessment of breast tumor cytology and molecular HER2 expression from fine-needle aspirates. <i>Npj Breast Cancer</i> , 2021, 7, 85.	5.2	8
17	Microphase Separation of Resilin-like and Elastin-like Diblock Copolypeptides in Concentrated Solutions. <i>Biomacromolecules</i> , 2021, 22, 3827-3838.	5.4	5
18	Concentration-Independent Multivalent Targeting of Cancer Cells by Genetically Encoded Core-Crosslinked Elastin/Resilin-like Polypeptide Micelles. <i>Biomacromolecules</i> , 2021, 22, 4347-4356.	5.4	12

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19	Rapid test to assess the escape of SARS-CoV-2 variants of concern. <i>Science Advances</i> , 2021, 7, eabl7682.	10.3	21
20	In Pursuit of Zero 2.0: Recent Developments in Nonfouling Polymer Brushes for Immunoassays. <i>Advanced Materials</i> , 2020, 32, e1903285.	21.0	45
21	Quantitative Study of the Interaction of Multivalent Ligand-Modified Nanoparticles with Breast Cancer Cells with Tunable Receptor Density. <i>ACS Nano</i> , 2020, 14, 372-383.	14.6	40
22	Recent trends in protein and peptide-based biomaterials for advanced drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2020, 156, 133-187.	13.7	173
23	Connecting Coil-to-Globule Transitions to Full Phase Diagrams for Intrinsically Disordered Proteins. <i>Biophysical Journal</i> , 2020, 119, 402-418.	0.5	82
24	De novo engineering of intracellular condensates using artificial disordered proteins. <i>Nature Chemistry</i> , 2020, 12, 814-825.	13.6	157
25	Recombinant Fusion of Glucagon-Like Peptide-1 and an Albumin Binding Domain Provides Glycemic Control for a Week in Diabetic Mice. <i>Advanced Therapeutics</i> , 2020, 3, 2000073.	3.2	2
26	Tumor Subtype Determines Therapeutic Response to Chimeric Polypeptide Nanoparticle-based Chemotherapy in <i>Pten</i> -deleted Mouse Models of Sarcoma. <i>Clinical Cancer Research</i> , 2020, 26, 5036-5047.	7.0	6
27	Sustained release of a GLP-1 and FGF21 dual agonist from an injectable depot protects mice from obesity and hyperglycemia. <i>Science Advances</i> , 2020, 6, eaaz9890.	10.3	40
28	Glucagon Like Peptide 1 Attenuates Airway Hyperresponsiveness in a Mouse Model of Obese Allergic Asthma. , 2020, , .		0
29	Ultrabright Fluorescence Readout of an Inkjet-Printed Immunoassay Using Plasmonic Nanogap Cavities. <i>Nano Letters</i> , 2020, 20, 4330-4336.	9.1	27
30	Complex microparticle architectures from stimuli-responsive intrinsically disordered proteins. <i>Nature Communications</i> , 2020, 11, 1342.	12.8	40
31	Genetically Encoded Stealth Nanoparticles of a Zwitterionic Polypeptide-Paclitaxel Conjugate Have a Wider Therapeutic Window than Abraxane in Multiple Tumor Models. <i>Nano Letters</i> , 2020, 20, 2396-2409.	9.1	38
32	Engineering the Architecture of Elastin-Like Polypeptides: From Unimers to Hierarchical Self-Assembly. <i>Advanced Therapeutics</i> , 2020, 3, 1900164.	3.2	47
33	Elastin-Like Polypeptides for Biomedical Applications. <i>Annual Review of Biomedical Engineering</i> , 2020, 22, 343-369.	12.3	154
34	Engineering the Surface Properties of a Zwitterionic Polymer Brush to Enable the Simple Fabrication of Inkjet-Printed Point-of-Care Immunoassays. <i>Langmuir</i> , 2019, 35, 1379-1390.	3.5	13
35	Avidity and Cell Uptake of Integrin-Targeting Polypeptide Micelles is Strongly Shape-Dependent. <i>Nano Letters</i> , 2019, 19, 6124-6132.	9.1	31
36	Nature of Amorphous Hydrophilic Block Affects Self-Assembly of an Artificial Viral Coat Polypeptide. <i>Biomacromolecules</i> , 2019, 20, 3641-3647.	5.4	5

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37	Heuristics for the Optimal Presentation of Bioactive Peptides on Polypeptide Micelles. <i>Nano Letters</i> , 2019, 19, 7977-7987.	9.1	6
38	Enzymatic synthesis and modification of high molecular weight DNA using terminal deoxynucleotidyl transferase. <i>Methods in Enzymology</i> , 2019, 627, 163-188.	1.0	7
39	Intrinsically disordered proteins access a range of hysteretic phase separation behaviors. <i>Science Advances</i> , 2019, 5, eaax5177.	10.3	64
40	Genomically informed small-molecule drugs overcome resistance to a sustained-release formulation of an engineered death receptor agonist in patient-derived tumor models. <i>Science Advances</i> , 2019, 5, eaaw9162.	10.3	11
41	Versatile biomanufacturing through stimulus-responsive cell-material feedback. <i>Nature Chemical Biology</i> , 2019, 15, 1017-1024.	8.0	50
42	Inducible Fibril Formation of Silk-Elastin Diblocks. <i>ACS Omega</i> , 2019, 4, 9135-9143.	3.5	10
43	Engineered Ribonucleoprotein Granules Inhibit Translation in Protocells. <i>Molecular Cell</i> , 2019, 75, 66-75.e5.	9.7	52
44	Sediment challenge to promising ultra-low fouling hydrophilic surfaces in the marine environment. <i>Biofouling</i> , 2019, 35, 454-462.	2.2	28
45	Architectural Modification of Conformal PEG-Bottlebrush Coatings Minimizes Anti-PEG Antigenicity While Preserving Stealth Properties. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801177.	7.6	52
46	Conjugate of Doxorubicin to Albumin-Binding Peptide Outperforms Aldoxorubicin. <i>Small</i> , 2019, 15, e1804452.	10.0	40
47	Molecular and Materials Engineering for Delivery of Peptide Drugs to Treat Type 2 Diabetes. <i>Advanced Healthcare Materials</i> , 2019, 8, 1801509.	7.6	16
48	Genetically Encoded Cholesterol-Modified Polypeptides. <i>Journal of the American Chemical Society</i> , 2019, 141, 945-951.	13.7	35
49	Long circulating genetically encoded intrinsically disordered zwitterionic polypeptides for drug delivery. <i>Biomaterials</i> , 2019, 192, 475-485.	11.4	68
50	Active Targeting of Cancer Cells by Nanobody Decorated Polypeptide Micelle with Bio-orthogonally Conjugated Drug. <i>Nano Letters</i> , 2019, 19, 247-254.	9.1	72
51	Convergence of Artificial Protein Polymers and Intrinsically Disordered Proteins. <i>Biochemistry</i> , 2018, 57, 2405-2414.	2.5	70
52	Sequence Directionality Dramatically Affects LCST Behavior of Elastin-Like Polypeptides. <i>Biomacromolecules</i> , 2018, 19, 2496-2505.	5.4	35
53	Fusion of fibroblast growth factor 21 to a thermally responsive biopolymer forms an injectable depot with sustained anti-diabetic action. <i>Journal of Controlled Release</i> , 2018, 277, 154-164.	9.9	39
54	Genetically encoded lipid-polypeptide hybrid biomaterials that exhibit temperature-triggered hierarchical self-assembly. <i>Nature Chemistry</i> , 2018, 10, 496-505.	13.6	79

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55	Photo-Crosslinkable Unnatural Amino Acids Enable Facile Synthesis of Thermoresponsive Nano-to Microgels of Intrinsically Disordered Polypeptides. <i>Advanced Materials</i> , 2018, 30, 1704878.	21.0	56
56	Functional Modification of Silica through Enhanced Adsorption of Elastin-Like Polypeptide Block Copolymers. <i>Biomacromolecules</i> , 2018, 19, 298-306.	5.4	11
57	Nanoparticle formulation improves doxorubicin efficacy by enhancing host antitumor immunity. <i>Journal of Controlled Release</i> , 2018, 269, 364-373.	9.9	52
58	Genetically Encoding Albumin Binding into Chemotherapeutic-loaded Polypeptide Nanoparticles Enhances Their Antitumor Efficacy. <i>Nano Letters</i> , 2018, 18, 7784-7793.	9.1	36
59	Injectable tissue integrating networks from recombinant polypeptides with tunable order. <i>Nature Materials</i> , 2018, 17, 1154-1163.	27.5	132
60	Advances in Understanding Stimulus-Responsive Phase Behavior of Intrinsically Disordered Protein Polymers. <i>Journal of Molecular Biology</i> , 2018, 430, 4619-4635.	4.2	164
61	Enzymatic Synthesis of Nucleobase-Modified Single-Stranded DNA Offers Tunable Resistance to Nuclease Degradation. <i>Biomacromolecules</i> , 2018, 19, 3525-3535.	5.4	21
62	Phase Behavior and Self-Assembly of Perfectly Sequence-Defined and Monodisperse Multiblock Copolypeptides. <i>Biomacromolecules</i> , 2017, 18, 599-609.	5.4	47
63	Strong, Tough, Stretchable, and Self-Adhesive Hydrogels from Intrinsically Unstructured Proteins. <i>Advanced Materials</i> , 2017, 29, 1604743.	21.0	130
64	Programming molecular self-assembly of intrinsically disordered proteins containing sequences of low complexity. <i>Nature Chemistry</i> , 2017, 9, 509-515.	13.6	247
65	Characterisation of hydration and nanophase separation during the temperature response in hydrophobic/hydrophilic elastin-like polypeptide (ELP) diblock copolymers. <i>Soft Matter</i> , 2017, 13, 1816-1822.	2.7	24
66	Poly(oligo(ethylene glycol) methyl ether methacrylate) Brushes on High- κ Metal Oxide Dielectric Surfaces for Bioelectrical Environments. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5522-5529.	8.0	23
67	Encapsulating a Hydrophilic Chemotherapeutic into Rod-Like Nanoparticles of a Genetically Encoded Asymmetric Triblock Polypeptide Improves Its Efficacy. <i>Advanced Functional Materials</i> , 2017, 27, 1605421.	14.9	27
68	High-Molecular-Weight Polynucleotides by Transferase-Catalyzed Living Chain-Growth Polycondensation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6778-6782.	13.8	35
69	Cargo self-assembly rescues affinity of cell-penetrating peptides to lipid membranes. <i>Scientific Reports</i> , 2017, 7, 43963.	3.3	14
70	A brush-polymer/exendin-4 conjugate reduces blood glucose levels for up to five days and eliminates poly(ethylene glycol) antigenicity. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	101
71	High-Molecular-Weight Polynucleotides by Transferase-Catalyzed Living Chain-Growth Polycondensation. <i>Angewandte Chemie</i> , 2017, 129, 6882-6886.	2.0	9
72	A quantitative study of the intracellular fate of pH-responsive doxorubicin-polypeptide nanoparticles. <i>Journal of Controlled Release</i> , 2017, 260, 100-110.	9.9	33

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73	Micellar Self-Assembly of Recombinant Resilin-/Elastin-Like Block Copolypeptides. <i>Biomacromolecules</i> , 2017, 18, 2419-2426.	5.4	62
74	Self-assembled hybrid elastin-like polypeptide/silica nanoparticles enable triggered drug release. <i>Nanoscale</i> , 2017, 9, 6178-6186.	5.6	29
75	Cell-Based Biohybrid Drug Delivery Systems: The Best of the Synthetic and Natural Worlds. <i>Macromolecular Bioscience</i> , 2017, 17, 1600361.	4.1	46
76	From Composition to Cure: A Systems Engineering Approach to Anticancer Drug Carriers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6712-6733.	13.8	65
77	Von der Zusammensetzung zur Heilung: ein systemtechnischer Ansatz zur Entwicklung von Trägern für Tumortheraeutika. <i>Angewandte Chemie</i> , 2017, 129, 6814-6837.	2.0	8
78	Quantitative Mapping of the Spatial Distribution of Nanoparticles in Endo-Lysosomes by Local pH. <i>Nano Letters</i> , 2017, 17, 1226-1232.	9.1	25
79	Site-Specific and Stoichiometric Stealth Polymer Conjugates of Therapeutic Peptides and Proteins. <i>Bioconjugate Chemistry</i> , 2017, 28, 713-723.	3.6	21
80	The Weak Link: Optimization of the Ligand-Nanoparticle Interface To Enhance Cancer Cell Targeting by Polymer Micelles. <i>Nano Letters</i> , 2017, 17, 5995-6005.	9.1	15
81	Recombinant Synthesis of Hybrid Lipid-Peptide Polymer Fusions that Self-Assemble and Encapsulate Hydrophobic Drugs. <i>Angewandte Chemie</i> , 2017, 129, 14167-14172.	2.0	7
82	Recombinant Synthesis of Hybrid Lipid-Peptide Polymer Fusions that Self-Assemble and Encapsulate Hydrophobic Drugs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13979-13984.	13.8	53
83	Nicosamide-conjugated polypeptide nanoparticles inhibit Wnt signaling and colon cancer growth. <i>Nanoscale</i> , 2017, 9, 12709-12717.	5.6	38
84	Inkjet-printed point-of-care immunoassay on a nanoscale polymer brush enables subpicomolar detection of analytes in blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7054-E7062.	7.1	70
85	One-week glucose control via zero-order release kinetics from an injectable depot of glucagon-like peptide-1 fused to a thermosensitive biopolymer. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	87
86	2.5 Elastin-Like Polypeptides α -t. , 2017, , 90-108.		6
87	Developing Precisely Defined Drug-Loaded Nanoparticles by Ring-Opening Polymerization of a Paclitaxel Prodrug. <i>Advanced Healthcare Materials</i> , 2016, 5, 1868-1873.	7.6	8
88	Creating cellular patterns using genetically engineered, gold- and cell-binding polypeptides. <i>Biointerphases</i> , 2016, 11, 021009.	1.6	8
89	Magnetophoretic transistors in a tri-axial magnetic field. <i>Lab on A Chip</i> , 2016, 16, 4181-4188.	6.0	22
90	A Modular Method for the High-Yield Synthesis of Site-Specific Protein-Polymer Therapeutics. <i>Angewandte Chemie</i> , 2016, 128, 10452-10456.	2.0	9

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91	A Modular Method for the High-Yield Synthesis of Site-Specific Protein-Polymer Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10296-10300.	13.8	30
92	Maleimide-Functionalized Poly(2-Oxazoline)s and Their Conjugation to Elastin-Like Polypeptides. <i>Macromolecular Bioscience</i> , 2016, 16, 322-333.	4.1	30
93	Macromol. Biosci. 3/2016. <i>Macromolecular Bioscience</i> , 2016, 16, 464-464.	4.1	0
94	Magnetophoretic Conductors and Diodes in a 3D Magnetic Field. <i>Advanced Functional Materials</i> , 2016, 26, 4026-4034.	14.9	26
95	Spatiotemporally photoradiation-controlled intratumoral depot for combination of brachytherapy and photodynamic therapy for solid tumor. <i>Biomaterials</i> , 2016, 79, 79-87.	11.4	35
96	Controlled release of biologics for the treatment of type 2 diabetes. <i>Journal of Controlled Release</i> , 2016, 240, 151-164.	9.9	49
97	Injectable polypeptide micelles that form radiation crosslinked hydrogels in situ for intratumoral radiotherapy. <i>Journal of Controlled Release</i> , 2016, 228, 58-66.	9.9	56
98	Combinatorial codon scrambling enables scalable gene synthesis and amplification of repetitive proteins. <i>Nature Materials</i> , 2016, 15, 419-424.	27.5	53
99	Characterizing the Switching Thresholds of Magnetophoretic Transistors. <i>Advanced Materials</i> , 2015, 27, 6176-6180.	21.0	31
100	Site-Specific Zwitterionic Polymer Conjugates of a Protein Have Long Plasma Circulation. <i>ChemBioChem</i> , 2015, 16, 2451-2455.	2.6	28
101	Elastin-like Polypeptide Diblock Copolymers Self-Assemble into Weak Micelles. <i>Macromolecules</i> , 2015, 48, 4183-4195.	4.8	86
102	Doxorubicin-conjugated polypeptide nanoparticles inhibit metastasis in two murine models of carcinoma. <i>Journal of Controlled Release</i> , 2015, 208, 52-58.	9.9	50
103	A paclitaxel-loaded recombinant polypeptide nanoparticle outperforms Abraxane in multiple murine cancer models. <i>Nature Communications</i> , 2015, 6, 7939.	12.8	173
104	Bio-inspired synthesis of hybrid silica nanoparticles templated from elastin-like polypeptide micelles. <i>Nanoscale</i> , 2015, 7, 12038-12044.	5.6	41
105	Bioinspired Reversibly Crosslinked Hydrogels Comprising Polypeptide Micelles Exhibit Enhanced Mechanical Properties. <i>Advanced Functional Materials</i> , 2015, 25, 3122-3130.	14.9	59
106	Sequence heuristics to encode phase behaviour in intrinsically disordered protein polymers. <i>Nature Materials</i> , 2015, 14, 1164-1171.	27.5	341
107	Prediction of solvent-induced morphological changes of polyelectrolyte diblock copolymer micelles. <i>Soft Matter</i> , 2015, 11, 8236-8245.	2.7	34
108	Elastin-like polypeptides as models of intrinsically disordered proteins. <i>FEBS Letters</i> , 2015, 589, 2477-2486.	2.8	209

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109	Structural Evolution of a Stimulus-Responsive Diblock Polypeptide Micelle by Temperature Tunable Compaction of its Core. <i>Macromolecules</i> , 2015, 48, 6617-6627.	4.8	33
110	Protein-polymer conjugation moving beyond PEGylation. <i>Current Opinion in Chemical Biology</i> , 2015, 28, 181-193.	6.1	150
111	Sustained intra-articular delivery of IL-1Ra from a thermally-responsive elastin-like polypeptide as a therapy for post-traumatic arthritis. , 2015, 29, 124-140.		74
112	Non-chromatographic Purification of Recombinant Elastin-like Polypeptides and their Fusions with Peptides and Proteins from <i>Escherichia coli</i> . <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	30
113	Enzymatic Polymerization of High Molecular Weight DNA Amphiphiles That Self-Assemble into Star-Like Micelles. <i>Advanced Materials</i> , 2014, 26, 3050-3054.	21.0	31
114	Controlled Apoptosis by a Thermally Toggled Nanoscale Amplifier of Cellular Uptake. <i>Nano Letters</i> , 2014, 14, 2058-2064.	9.1	49
115	Growing polymers from peptides and proteins: a biomedical perspective. <i>Polymer Chemistry</i> , 2014, 5, 266-276.	3.9	40
116	Smart-DNA interfaces. <i>Chemical Society Reviews</i> , 2014, 43, 1612-1626.	38.1	83
117	Genetically encoded smart-peptide polymers for biomedicine. <i>MRS Bulletin</i> , 2014, 39, 35-43.	3.5	6
118	Noncanonical Self-Assembly of Highly Asymmetric Genetically Encoded Polypeptide Amphiphiles into Cylindrical Micelles. <i>Nano Letters</i> , 2014, 14, 6590-6598.	9.1	59
119	The Language of Protein Polymers. <i>ACS Symposium Series</i> , 2014, , 15-33.	0.5	2
120	Molecular Description of the LCST Behavior of an Elastin-Like Polypeptide. <i>Biomacromolecules</i> , 2014, 15, 3522-3530.	5.4	146
121	Rational Design of Heat Seeking-Drug Loaded Polypeptide Nanoparticles That Thermally Target Solid Tumors. <i>Nano Letters</i> , 2014, 14, 2890-2895.	9.1	57
122	Nanoparticle-Film Plasmon Ruler Interrogated with Transmission Visible Spectroscopy. <i>ACS Photonics</i> , 2014, 1, 974-984.	6.6	32
123	Applications of elastin-like polypeptides in drug delivery. <i>Journal of Controlled Release</i> , 2014, 190, 314-330.	9.9	198
124	Co-opting biology to deliver drugs. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1699-1716.	3.3	60
125	A Unified Model for <i>De Novo</i> Design of Elastin-like Polypeptides with Tunable Inverse Transition Temperatures. <i>Biomacromolecules</i> , 2013, 14, 2866-2872.	5.4	171
126	Predicting Transition Temperatures of Elastin-Like Polypeptide Fusion Proteins. <i>Biomacromolecules</i> , 2013, 14, 1514-1519.	5.4	96

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127	Hydration Layer Coupling and Cooperativity in Phase Behavior of Stimulus Responsive Peptide Polymers. <i>Journal of the American Chemical Society</i> , 2013, 135, 11299-11308.	13.7	33
128	A genetically engineered thermally responsive sustained release curcumin depot to treat neuroinflammation. <i>Journal of Controlled Release</i> , 2013, 171, 38-47.	9.9	46
129	A depot-forming glucagon-like peptide-1 fusion protein reduces blood glucose for five days with a single injection. <i>Journal of Controlled Release</i> , 2013, 172, 144-151.	9.9	92
130	Injectable protease-operated depots of glucagon-like peptide-1 provide extended and tunable glucose control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2792-2797.	7.1	120
131	Self-Assembly of Thermally Responsive Nanoparticles of a Genetically Encoded Peptide Polymer by Drug Conjugation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1683-1687.	13.8	123
132	Three-Step One Chromatography-Free Purification, Tag Removal, and Site-Specific Modification of Recombinant Fusion Proteins Using Sortase-A and Elastin-Like Polypeptides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3703-3708.	13.8	56
133	Plasmonic Waveguide Modes of Film-Coupled Metallic Nanocubes. <i>Nano Letters</i> , 2013, 13, 5866-5872.	9.1	238
134	Direct Fluorescence Detection of RNA on Microarrays by Surface-Initiated Enzymatic Polymerization. <i>Analytical Chemistry</i> , 2013, 85, 426-433.	6.5	41
135	Sortase-Catalyzed Initiator Attachment Enables High Yield Growth of a Stealth Polymer from the C Terminus of a Protein. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1256-1260.	3.9	57
136	Encapsulation of Stimuli-Responsive Fusion Proteins in Silica: Thermally Responsive Metal Ion-Sensitive Hybrid Membranes. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1498, 169-175.	0.1	0
137	Controlled-reflectance surfaces with film-coupled colloidal nanoantennas. <i>Nature</i> , 2012, 492, 86-89.	27.8	639
138	Brachytherapy Using Injectable Seeds That Are Self-Assembled from Genetically Encoded Polypeptides <i>In Situ</i> . <i>Cancer Research</i> , 2012, 72, 5956-5965.	0.9	48
139	Rheological Properties of Cysteine-Containing Elastin-Like Polypeptide Solutions and Hydrogels. <i>Biomacromolecules</i> , 2012, 13, 2315-2321.	5.4	45
140	Digital Switching of Local Arginine Density in a Genetically Encoded Self-Assembled Polypeptide Nanoparticle Controls Cellular Uptake. <i>Nano Letters</i> , 2012, 12, 3322-3328.	9.1	94
141	Unexpected Multivalent Display of Proteins by Temperature Triggered Self-Assembly of Elastin-like Polypeptide Block Copolymers. <i>Biomacromolecules</i> , 2012, 13, 1598-1605.	5.4	70
142	Triple Stimulus-Responsive Polypeptide Nanoparticles That Enhance Intratumoral Spatial Distribution. <i>Nano Letters</i> , 2012, 12, 2165-2170.	9.1	94
143	Fusions of Elastin-Like Polypeptides to Pharmaceutical Proteins. <i>Methods in Enzymology</i> , 2012, 502, 215-237.	1.0	76
144	Plasmon Ruler with Angstrom Length Resolution. <i>ACS Nano</i> , 2012, 6, 9237-9246.	14.6	170

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145	Protein polymer hydrogels by in situ, rapid and reversible self-gelation. <i>Biomaterials</i> , 2012, 33, 5451-5458.	11.4	102
146	Doxorubicin-conjugated chimeric polypeptide nanoparticles that respond to mild hyperthermia. <i>Journal of Controlled Release</i> , 2012, 159, 362-367.	9.9	70
147	In situ growth of a thermoresponsive polymer from a genetically engineered elastin-like polypeptide. <i>Polymer Chemistry</i> , 2011, 2, 1561.	3.9	16
148	Micro- and Nanostructured Poly[oligo(ethylene glycol)methacrylate] Brushes Grown From Photopatterned Halogen Initiators by Atom Transfer Radical Polymerization. <i>Biointerphases</i> , 2011, 6, 8-15.	1.6	32
149	Amplified On-Chip Fluorescence Detection of DNA Hybridization by Surface-Initiated Enzymatic Polymerization. <i>Analytical Chemistry</i> , 2011, 83, 5153-5159.	6.5	95
150	A highly parallel method for synthesizing DNA repeats enables the discovery of "smart" protein polymers. <i>Nature Materials</i> , 2011, 10, 141-148.	27.5	85
151	In vivo tumor targeting by a NGR-decorated micelle of a recombinant diblock copolypeptide. <i>Journal of Controlled Release</i> , 2011, 155, 144-151.	9.9	63
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