Hans G BÃ¶rner

List of Publications by Year
in descending order

156 papers	7,960 citations	53660 45 h-index	53109 85 g-index
165 all docs	165 docs citations	165 times ranked	6764 citing authors

#	Article	IF	Citations
1	Broadening the Chemical Space of Mussel-Inspired Polymerization: The Roll-out of a TCC-Polymer Platform with Thiolâ€"Catechol Connectivities. Macromolecules, 2022, 55, 989-1002.	2.2	7
2	Implementing Zn²⁺ion and pH-value control into artificial mussel glue proteins by abstracting a His-rich domain from preCollagen. Soft Matter, 2021, 17, 2028-2033.	1.2	5
3	Accessing the Next Generation of Synthetic Musselâ€Glue Polymers via Musselâ€Inspired Polymerization. Angewandte Chemie - International Edition, 2021, 60, 6408-6413.	7.2	33
4	Die nÃchste Generation synthetischer Muschelkleberpolymere durch muschelinspirierte Polymerisation. Angewandte Chemie, 2021, 133, 6479-6484.	1.6	0
5	Toward Activatable Collagen Mimics: Combining DEPSI â€œSwitchâ€• Defects and Templateâ€Guided Selfâ€Organization to Control Collagen Mimetic Peptides. Macromolecular Bioscience, 2021, 21, 2100070.	2.1	0
6	Information-Based Design of Polymeric Drug Formulation Additives. Biomacromolecules, 2021, 22, 213-221.	2.6	4
7	Molecular Bottle Brushes with Positioned Selenols: Extending the Toolbox of Oxidative Single Polymer Chain Folding with Conformation Analysis by Atomic Force Microscopy. Journal of Polymer Science, 2020, 58, 154-162.	2.0	4
8	Peptideâ€Assisted Design of Precision Polymer Sequences: On the Relevance of the Sideâ€Chain Sequences and the Variability of the Backbone. Macromolecular Bioscience, 2020, 20, e1900244.	2.1	8
9	Musselâ€Inspired Polymerization of Peptides: The Chemical Activation Route as Key to Broaden the Sequential Space of Artificial Musselâ€Glue Proteins. Macromolecular Rapid Communications, 2020, 41, e1900431.	2.0	18
10	Combining Phage Display and Next-Generation Sequencing for Materials Sciences: A Case Study on Probing Polypropylene Surfaces. Journal of the American Chemical Society, 2020, 142, 10624-10628.	6.6	21
11	Toward Artificial Musselâ€Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. Angewandte Chemie, 2020, 132, 18653-18657.	1.6	6
12	Toward Artificial Musselâ€Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. Angewandte Chemie - International Edition, 2020, 59, 18495-18499.	7.2	29
13	Correlative Analysis of Specific Compatibilization in Composites by Coupling in situ X-Ray Scattering and Mechanical Tensile Testing. Frontiers in Materials, 2020, 6, .	1.2	1
14	Molecular Bottle Brushes with Positioned Selenols: Extending the Toolbox of Oxidative Single Polymer Chain Folding with Conformation Analysis by Atomic Force Microscopy. Journal of Polymer Science, 2020, 58, 154-162.	2.0	0
15	Peptide-Assisted Design of Peptoid Sequences: One Small Step in Structure and Distinct Leaps in Functions. ACS Macro Letters, 2020, 9, 233-237.	2.3	9
16	Illuminating Bionano Interfaces: Musselâ€Glue Inspired Adhesives: A Study on the Relevance of <scp>l</scp>â€Dopa and the Function of the Sequence at Nanomaterialâ€Peptide Interfaces (Adv. Mater.) Tj ETQq1 0 0 rgBT /Overlock	0.9	0
17	Modulating the collagen triple helix formation by switching: Positioning effects of depsi-defects on the assembly of [Gly-Pro-Pro]7 collagen mimetic peptides. European Polymer Journal, 2019, 112, 301-305.	2.6	6
18	Fish and Clips: A Convenient Strategy to Identify Tyrosinase Substrates with Rapid Activation Behavior for Materials Science Applications. ACS Macro Letters, 2019, 8, 724-729.	2.3	9

#	Article	IF	Citations
19	Musselâ€Glue Inspired Adhesives: A Study on the Relevance of <scp>l</scp>â€Dopa and the Function of the Sequence at Nanomaterialâ€Peptide Interfaces. Advanced Materials Interfaces, 2019, 6, 1900501.	1.9	18
20	Efficient Screening of Combinatorial Peptide Libraries by Spatially Ordered Beads Immobilized on Conventional Glass Slides. High-Throughput, 2019, 8, 11.	4.4	6
21	Von Peptiden lernen: eine Strategie fÃ¼r das Design funktionaler PrÃ¤zisionspolymerâ€Sequenzen. Angewandte Chemie, 2019, 131, 10858-10863.	1.6	4
22	Learning from Peptides to Access Functional Precision Polymer Sequences. Angewandte Chemie - International Edition, 2019, 58, 10747-10751.	7.2	35
23	Digging into the Sequential Space of Thiolactone Precision Polymers: A Combinatorial Strategy to Identify Functional Domains. Angewandte Chemie - International Edition, 2019, 58, 1960-1964.	7.2	39
24	Methionine³²⁹ in human serum albumin: A novel target for alkylation by sulfur mustard. Drug Testing and Analysis, 2019, 11, 659-668.	1.6	15
25	Eintauchen in den Sequenzraum der Thiolactonâ€PrÃ¤zisionspolymere: eine kombinatorische Strategie zur Identifizierung funktionaler DomÃ¤nen. Angewandte Chemie, 2019, 131, 1980-1984.	1.6	6
26	Tuning mechanical reinforcement and bioactivity of 3D printed ternary nanocomposites by interfacial peptide-polymer conjugates. Biofabrication, 2019, 11, 035028.	3.7	18
27	Specific Decoration of a Discrete Bismuth Oxido Cluster by Selected Peptides towards the Design of Metal Tags. Chemistry - A European Journal, 2019, 25, 759-763.	1.7	1
28	Expanding the Material Space of Biosustainable Poly(sophorolipids) by Modular Functionalization. Macromolecular Rapid Communications, 2019, 40, e1800612.	2.0	2
29	Precision compatibilizers for composites: in-between self-aggregation, surfaces recognition and interface stabilization. Soft Matter, 2018, 14, 1992-1995.	1.2	9
30	Lipidâ€DNAs as Solubilizers of <i>m</i>THPC. Chemistry - A European Journal, 2018, 24, 798-802.	1.7	5
31	Engineered Collagen: A Redox Switchable Framework for Tunable Assembly and Fabrication of Biocompatible Surfaces. ACS Biomaterials Science and Engineering, 2018, 4, 2106-2114.	2.6	13
32	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. Angewandte Chemie - International Edition, 2018, 57, 15728-15732.	7.2	42
33	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. Angewandte Chemie, 2018, 130, 15954-15958.	1.6	13
34	On the way to precision formulation additives: 2D-screening to select solubilizers with tailored host and release capabilities. Journal of Controlled Release, 2018, 285, 96-105.	4.8	12
35	Gaining Insights into Specific Drug Formulation Additives for Solubilizing a Potential Antiâ€Alzheimer Disease Drug B4A1. Macromolecular Bioscience, 2017, 17, 1700109.	2.1	6
36	Via precise interface engineering towards bioinspired composites with improved 3D printing processability and mechanical properties. Journal of Materials Chemistry B, 2017, 5, 5037-5047.	2.9	23

#	Article	IF	Citations
37	Selective functionalization of laser printout patterns on cellulose paper sheets coated with surface-specific peptides. Journal of Materials Chemistry A, 2017, 5, 16144-16149.	5.2	11
38	Easy access to triazolinedione-endcapped peptides for chemical ligation. Chemical Communications, 2017, 53, 593-596.	2.2	19
39	Fine-tuning Nanocarriers Specifically toward Cargo: A Competitive Study on Solubilizing Related Photosensitizers for Photodynamic Therapy. Bioconjugate Chemistry, 2017, 28, 760-767.	1.8	20
40	PEGylated Precision Segments Based on Sequenceâ€Defined Thiolactone Oligomers. Macromolecular Rapid Communications, 2017, 38, 1700688.	2.0	10
41	Identification of Functional Peptide Sequences to Lead the Design of Precision Polymers. Macromolecular Rapid Communications, 2017, 38, 1700632.	2.0	21
42	Peptideâ€“Polymer Conjugates for Bioinspired Compatibilization of Internal Composite Interfaces: via Specific Interactions toward Stiffer and Tougher Materials. Advanced Materials Interfaces, 2017, 4, 1600501.	1.9	20
43	Inhibition of Tau Protein Aggregation by Rhodanine-based Compounds Solubilized Via Specific Formulation Additives to Improve Bioavailability and Cell Viability. Current Alzheimer Research, 2017, 14, 742-752.	0.7	5
44	Ein einfacher Zugang zu funktionalen Mustern auf Cellulosepapier durch Kombination von Laserdruck und materialspezifischer Peptidadsorption. Angewandte Chemie, 2016, 128, 11435-11440.	1.6	7
45	Generalizing the Concept of Specific Compound Formulation Additives towards Nonâ€Fluorescent Drugs: A Solubilization Study on Potential Antiâ€Alzheimerâ€Active Smallâ€Molecule Compounds. Angewandte Chemie - International Edition, 2016, 55, 8752-8756.	7.2	19
46	Easy Access to Functional Patterns on Cellulose Paper by Combining Laser Printing and Materialâ€Specific Peptide Adsorption. Angewandte Chemie - International Edition, 2016, 55, 11266-11270.	7.2	41
47	Erweiterung des Konzeptes spezifischer Wirkstoffâ€Formulierungsadditive auf nichtfluoreszierende Wirkstoffe: eine Studie zur Solubilisierung potenzieller Antiâ€Alzheimerâ€Wirkstoffe. Angewandte Chemie, 2016, 128, 8894-8899.	1.6	4
48	Enzyme-Triggered Antifouling Coatings: Switching Bioconjugate Adsorption via Proteolytically Cleavable Interfering Domains. ACS Macro Letters, 2016, 5, 583-587.	2.3	18
49	Intradermal drug delivery by nanogel-peptide conjugates; specific and efficient transport of temoporfin. Journal of Controlled Release, 2016, 242, 35-41.	4.8	32
50	Templated CaCO₃ Crystallization by Submicrometer and Nanosized Fibers. Langmuir, 2016, 32, 8951-8959.	1.6	3
51	Advancing Drug Formulation Additives toward Precision Additives with Release Mediating Peptide Interlayer. Journal of the American Chemical Society, 2016, 138, 9349-9352.	6.6	26
52	Chapter 1. Synthetic Aspects of Peptideâ€“ and Proteinâ€“Polymer Conjugates in the Post-click Era. RSC Polymer Chemistry Series, 2016, , 1-30.	0.1	1
53	Generic Biocombinatorial Strategy to Select Tailorâ€Made Stabilizers for Solâ€“Gel Nanoparticle Synthesis. Small, 2015, 11, 4303-4308.	5.2	25
54	Synthesis of conjugates combining macromolecular brushes and rigid macrocycles. Polymer, 2015, 72, 422-427.	1.8	2

#	Article	IF	Citations
55	Combinatorial Screening for Specific Drug Solubilizers with Switchable Release Profiles. Macromolecular Bioscience, 2015, 15, 82-89.	2.1	11
56	<i>Î»</i>â€Orthogonale Photochemie: Lichtinduzierte pericyclische Reaktionen an MakromolekÃ¼len. Angewandte Chemie, 2015, 127, 2880-2885.	1.6	21
57	<i>Î»</i>â€Orthogonal Pericyclic Macromolecular Photoligation. Angewandte Chemie - International Edition, 2015, 54, 2838-2843.	7.2	70
58	Interface-controlled calcium phosphate mineralization: effect of oligo(aspartic acid)-rich interfaces. CrystEngComm, 2015, 17, 6901-6913.	1.3	12
59	Revealing the impact of poly(ethylene oxide) blocks on enzyme activable coatings from peptideâ€“polymer conjugates. European Polymer Journal, 2015, 62, 374-379.	2.6	12
60	Specific Drug Formulation Additives: Revealing the Impact of Architecture and Block Length Ratio. Biomacromolecules, 2015, 16, 3308-3312.	2.6	14
61	Peptide-Polymer Conjugates as Model Systems To Explore the Functional Space of Precision Polymers. ACS Symposium Series, 2014, , 55-69.	0.5	2
62	On the Interaction of Adherent Cells with Thermoresponsive Polymer Coatings. Polymers, 2014, 6, 1164-1177.	2.0	20
63	Ambient Temperature Ligation of Diene Functional Polymer and Peptide Strands onto Cellulose via Photochemical and Thermal Protocols. Macromolecular Rapid Communications, 2014, 35, 1121-1127.	2.0	19
64	Complex single-chain polymer topologies locked by positionable twin disulfide cyclic bridges. Chemical Communications, 2014, 50, 1570.	2.2	52
65	Fluorinated beta-sheet breaker peptides. Journal of Materials Chemistry B, 2014, 2, 2259-2264.	2.9	44
66	A Direct Biocombinatorial Strategy toward Next Generation, Mussel-Glue Inspired Saltwater Adhesives. Journal of the American Chemical Society, 2014, 136, 12667-12674.	6.6	82
67	Topologyâ€Dependent Swichability of Peptide Secondary Structures in Bioconjugates with Complex Architectures. Macromolecular Rapid Communications, 2014, 35, 180-185.	2.0	8
68	Mg²⁺ Tunes the Wettability of Liquid Precursors of CaCO₃: Toward Controlling Mineralization Sites in Hybrid Materials. Journal of the American Chemical Society, 2013, 135, 12512-12515.	6.6	48
69	Spatially Controlled Photochemical Peptide and Polymer Conjugation on Biosurfaces. Biomacromolecules, 2013, 14, 4340-4350.	2.6	46
70	Exploiting Specific Interactions toward Next-Generation Polymeric Drug Transporters. Journal of the American Chemical Society, 2013, 135, 1711-1714.	6.6	48
71	Convenient Routes to Efficiently N-PEGylated Peptides. ACS Macro Letters, 2013, 2, 641-644.	2.3	11
72	Spreading and Dewetting of Single Bottleâ€Brush Macromolecules on Nanofacetted SrTiO₃ Substrate as Induced by Different Vapours. Macromolecular Chemistry and Physics, 2013, 214, 761-775.	1.1	1

#	Article	IF	Citations
73	Spatially Controlled Surface Immobilization of Nonmodified Peptides. Angewandte Chemie - International Edition, 2013, 52, 9714-9718.	7.2	30
74	Superparamagnetic coreâ€"shell nanoparticles as solid supports for peptide synthesis. Chemical Communications, 2012, 48, 7176.	2.2	15
75	â€œInverseâ€•synthesis of polymer bioconjugates using soluble supports. Chemical Communications, 2012, 48, 3887.	2.2	36
76	Peptide-Mediated Nanoengineering of Inorganic Particle Surfaces: A General Route toward Surface Functionalization via Peptide Adhesion Domains. Journal of the American Chemical Society, 2012, 134, 2385-2391.	6.6	48
77	Mussel-Glue Derived Peptideâ€"Polymer Conjugates to Realize Enzyme-Activated Antifouling Coatings. ACS Macro Letters, 2012, 1, 871-875.	2.3	50
78	(Bio)Molecular Surface Patterning by Phototriggered Oxime Ligation. Angewandte Chemie - International Edition, 2012, 51, 9181-9184.	7.2	106
79	Activity Control of Mussel Glue Derived Enzymes: A Study on Thermoresponsive Tyrosinase-PNIPAM Conjugates. ACS Symposium Series, 2012, , 271-285.	0.5	3
80	Modular Ligation of Thioamide Functional Peptides onto Solid Cellulose Substrates. Advanced Functional Materials, 2012, 22, 3853-3864.	7.8	46
81	Adding Spatial Control to Click Chemistry: Phototriggered Dielsâ€"Alder Surface (Bio)functionalization at Ambient Temperature. Angewandte Chemie - International Edition, 2012, 51, 1071-1074.	7.2	170
82	Calcium ions as bioinspired triggers to reversibly control the coil-to-helix transition in peptide-polymer conjugates. Soft Matter, 2011, 7, 9616.	1.2	11
83	Self-Assembling Nanofibers from Thiopheneâ€"Peptide Diblock Oligomers: A Combined Experimental and Computer Simulations Study. ACS Nano, 2011, 5, 6894-6909.	7.3	41
84	Single-Step Electrospinning to Bioactive Polymer Nanofibers. Macromolecules, 2011, 44, 453-461.	2.2	54
85	Polypeptide-Based Organogelators: Effects of Secondary Structure. Macromolecules, 2011, 44, 7489-7492.	2.2	20
86	Precision Polymersâ€"Modern Tools to Understand and Program Macromolecular Interactions. Macromolecular Rapid Communications, 2011, 32, 115-126.	2.0	62
87	Precision Macromolecular Chemistry. Macromolecular Rapid Communications, 2011, 32, 113-114.	2.0	15
88	Calcium Ions to Remotely Control the Reversible Switching of Secondary and Quaternary Structures in Bioconjugates. Angewandte Chemie - International Edition, 2011, 50, 4499-4502.	7.2	38
89	Effect of chain topology on the self-organization and the mechanical properties of poly(n-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	30
90	102Ru: A pivotal nucleus in theAâˆ¼100region. Physical Review C, 2011, 84, .	1.1	10

#	Article	IF	Citations
91	Designing Three-Dimensional Materials at the Interface to Biology. Advances in Polymer Science, 2010, , 163-192.	0.4	9
92	Singleâ€Step Electrospinning of Bimodal Fiber Meshes for Ease of Cellular Infiltration. Macromolecular Rapid Communications, 2010, 31, 59-64.	2.0	53
93	Making â€œsmart polymersâ€•smarter: Modern concepts to regulate functions in polymer science. Journal of Polymer Science Part A, 2010, 48, 1-14.	2.5	59
94	BaCO3 mesocrystals: new morphologies using peptideâ€"polymer conjugates as crystallization modifiers. Physical Chemistry Chemical Physics, 2010, 12, 11984.	1.3	19
95	Bioconjugates to specifically render inhibitorswater-soluble. Soft Matter, 2010, 6, 88-91.	1.2	36
96	A modular approach towards functional decoration of peptideâ€"polymer nanotapes. Chemical Communications, 2010, 46, 8938.	2.2	22
97	Controlled growth of silver nanoparticle arrays guided by a self-assembled polymerâ€"peptide conjugate. Soft Matter, 2010, 6, 3160.	1.2	31
98	Precision Polymers: Monodisperse, Monomerâ€Sequenceâ€Defined Segments to Target Future Demands of Polymers in Medicine. Advanced Materials, 2009, 21, 3425-3431.	11.1	148
99	Oligothiophene Versus <i>Î²</i>â€Sheet Peptide: Synthesis and Selfâ€Assembly of an Organic Semiconductorâ€Peptide Hybrid. Advanced Materials, 2009, 21, 1562-1567.	11.1	121
100	Blendable Peptideâ€Polymer Nanofibers to Modulate Mechanical Properties of Polymers. Macromolecular Bioscience, 2009, 9, 187-194.	2.1	14
101	Biotransformation on Polymerâ€"Peptide Conjugates: A Versatile Tool to Trigger Microstructure Formation. Angewandte Chemie - International Edition, 2009, 48, 6431-6434.	7.2	99
102	Strategies exploiting functions and self-assembly properties of bioconjugates for polymer and materials sciences. Progress in Polymer Science, 2009, 34, 811-851.	11.8	192
103	Individual bottle brush molecules in dense 2D layers restoring high degree of extension after collapse-decollapse cycle: Directly measured scaling exponent. European Physical Journal E, 2009, 29, 73-85.	0.7	13
104	Bioconjugates of polymers and sequence-defined peptides by reversible addition fragmentation chain transfer radical polymerization. ACS Symposium Series, 2009, , 265-278.	0.5	2
105	Design and biological activity of Î²-sheet breaker peptide conjugates. Biochemical and Biophysical Research Communications, 2009, 380, 397-401.	1.0	45
106	Novel Organometallic Gelators with Enhanced Amphiphilic Character: Structureâˆ'Property Correlations, Principles for Design, and Diversity of Gelation. Organometallics, 2009, 28, 1377-1382.	1.1	36
107	Influence of Selected Artificial Peptides on Calcium Carbonate Precipitation - A Quantitative Study. Crystal Growth and Design, 2009, 9, 2398-2403.	1.4	64
108	Calcite mesocrystals: a very effective block polyelectrolyte for crystal "Morphing". Journal of the Ceramic Society of Japan, 2009, 117, 221-227.	0.5	13

#	Article	IF	Citations
109	High Rate Silicification of Peptideâ€Polymer Assemblies Toward Composite Nanotapes. Macromolecular Rapid Communications, 2008, 29, 419-424.	2.0	16
110	Selfâ€Assembled PEOâ€Peptide Nanotapes as Ink for Plotting Nonwoven Silica Nanocomposites and Mesoporous Silica Fiber Networks. Macromolecular Rapid Communications, 2008, 29, 316-320.	2.0	16
111	Fieldâ€Driven Surface Segregation of Biofunctional Species on Electrospun PMMA/PEO Microfibers. Macromolecular Rapid Communications, 2008, 29, 1455-1460.	2.0	41
112	Tailorâ€Made Poly(amidoamine)s for Controlled Complexation and Condensation of DNA. Chemistry - A European Journal, 2008, 14, 2025-2033.	1.7	97
113	Controlled Cell Adhesion on PEGâ€Based Switchable Surfaces. Angewandte Chemie - International Edition, 2008, 47, 5666-5668.	7.2	347
114	Modern trends in polymer bioconjugates design. Progress in Polymer Science, 2008, 33, 1-39.	11.8	500
115	Mesoporous Calcite by Polymer Templating. Crystal Growth and Design, 2008, 8, 1792-1794.	1.4	33
116	CO2-switchable oligoamine patches based on amino acids and their use to build polyelectrolyte containers with intelligent gating. Soft Matter, 2008, 4, 534.	1.2	41
117	Organization of Self-Assembled Peptideâ˘'Polymer Nanofibers in Solution. Macromolecules, 2008, 41, 1430-1437.	2.2	55
118	Easy Access to Bioactive Peptideâ˘'Polymer Conjugates via RAFT. Macromolecules, 2008, 41, 1073-1075.	2.2	109
119	Characterization of Peptide-Guided Polymer Assembly at the Air/Water Interface. Langmuir, 2008, 24, 3306-3316.	1.6	41
120	'Click' Bioconjugation of a Well-Defined Synthetic Polymer and a Protein Transduction Domain. Australian Journal of Chemistry, 2007, 60, 410.	0.5	70
121	Makromolekulare Chemie 2006. Nachrichten Aus Der Chemie, 2007, 55, 306-312.	0.0	0
122	Bioinspired functional block copolymers. Soft Matter, 2007, 3, 394-408.	1.2	212
123	A scanning force microscopy study on the motion of single brush-like macromolecules on a silicon substrate induced by coadsorption of small molecules. Physical Chemistry Chemical Physics, 2007, 9, 346-352.	1.3	26
124	A tailored organometallic gelator with enhanced amphiphilic character and structural diversity of gelation. Chemical Communications, 2007, , 1894-1895.	2.2	73
125	Peptide-Guided Organization of Peptideâ˘'Polymer Conjugates:Â Expanding the Approach from Oligo- to Polymers. Macromolecules, 2007, 40, 9224-9232.	2.2	73
126	Sequence Positioning of Disulfide Linkages to Program the Degradation of Monodisperse Poly(amidoamines). Macromolecules, 2007, 40, 7771-7776.	2.2	39

#	Article	IF	Citations
127	Mimicking Biosilicification: Programmed Coassembly of Peptideâ€"Polymer Nanotapes and Silica. Angewandte Chemie - International Edition, 2007, 46, 9023-9026.	7.2	81
128	Field-Driven Biofunctionalization of Polymer Fiber Surfaces during Electrospinning. Advanced Materials, 2007, 19, 87-91.	11.1	106
129	Functional Polymer-Bioconjugates as Molecular LEGOÂ® Bricks. Macromolecular Chemistry and Physics, 2007, 208, 124-130.	1.1	62
130	Synthesis of ABC-Triblock Peptide-Polymer Conjugates for the Positioning of Peptide Segments within Block Copolymer Aggregates. Macromolecular Chemistry and Physics, 2007, 208, 1437-1446.	1.1	35
131	Vaporâ€induced spreading dynamics of adsorbed linear and brushâ€like macromolecules as observed by environmental SFM: Polymer chain statistics and scaling exponents. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2368-2379.	2.4	21
132	Combining ATRP and â€œClickâ€•Chemistry:Â a Promising Platform toward Functional Biocompatible Polymers and Polymer Bioconjugates. Macromolecules, 2006, 39, 6376-6383.	2.2	264
133	Peptide-Directed Microstructure Formation of Polymers in Organic Media. Journal of the American Chemical Society, 2006, 128, 14142-14149.	6.6	126
134	Switch-Peptides to Trigger the Peptide Guided Assembly of Poly(ethylene oxide)â^'Peptide Conjugates into Tape Structures. Journal of the American Chemical Society, 2006, 128, 7722-7723.	6.6	148
135	Self-Assembling Peptideâ^'Polymer Conjugates Comprising (d-alt-l)-Cyclopeptides as Aggregator Domains. Macromolecules, 2006, 39, 7831-7838.	2.2	111
136	Solid-Phase Supported Polymer Synthesis of Sequence-Defined, Multifunctional Poly(amidoamines). Biomacromolecules, 2006, 7, 1239-1244.	2.6	134
137	Molecular brushes as super-soft elastomers. Polymer, 2006, 47, 7198-7206.	1.8	194
138	Conjugates of Polymers and Sequence-Defined Polypeptides via Controlled Radical Polymerization. ACS Symposium Series, 2006, , 198-213.	0.5	5
139	Synthesis ofdl-Alanine Hollow Tubes and Core-Shell Mesostructures. Chemistry - A European Journal, 2006, 12, 7882-7888.	1.7	25
140	Synthesis of Poly(tartar amides) as Bio-Inspired Antifreeze Additives. Macromolecular Rapid Communications, 2006, 27, 1660-1664.	2.0	24
141	Study of the neutron quantum states in the gravity field. European Physical Journal C, 2005, 40, 479-491.	1.4	159
142	Combining Atom Transfer Radical Polymerization and Click Chemistry: A Versatile Method for the Preparation of End-Functional Polymers. Macromolecular Rapid Communications, 2005, 26, 514-518.	2.0	277
143	Rational design of oligopeptide organizers for the formation of poly(ethylene oxide) nanofibers. Chemical Communications, 2005, , 2814.	2.2	122
144	Sequence-Defined Polypeptideâ^'Polymer Conjugates Utilizing Reversible Addition Fragmentation Transfer Radical Polymerization. Macromolecules, 2005, 38, 10643-10649.	2.2	118

#	Article	IF	Citations
145	Conformational dynamics of single molecules visualized in real time by scanning force microscopy: macromolecular mobility on a substrate surface in different vapours. Journal of Microscopy, 2004, 215, 245-256.	0.8	39
146	Atom Transfer Radical Polymerization with Polypeptide Initiators: A General Approach to Block Copolymers of Sequence-Defined Polypeptides and Synthetic Polymers. Macromolecular Rapid Communications, 2004, 25, 1251-1256.	2.0	121
147	Real-Time Scanning Force Microscopy of Macromolecular Conformational Transitions. Macromolecular Rapid Communications, 2004, 25, 1703-1707.	2.0	45
148	Reversible Collapse of Brushlike Macromolecules in Ethanol and Water Vapours as Revealed by Real-Time Scanning Force Microscopy. Chemistry - A European Journal, 2004, 10, 4599-4605.	1.7	72
149	Multiarm Molecular Brushes:â€‰ Effect of the Number of Arms on the Molecular Weight Polydispersity and Surface Ordering. Langmuir, 2004, 20, 6005-6011.	1.6	69
150	Controlled synthesis of homopolymers and block copolymers based on 2-(acetoacetoxy)ethyl methacrylate via RAFT radical polymerisation. Chemical Communications, 2003, , 538-539.	2.2	41
151	Graft copolymers by atom transfer polymerization. Macromolecular Symposia, 2002, 177, 1-16.	0.4	68
152	Synthesis of Molecular Brushes with Gradient in Grafting Density by Atom Transfer Polymerization. Macromolecules, 2002, 35, 3387-3394.	2.2	183
153	Synthesis of Molecular Brushes with Block Copolymer Side Chains Using Atom Transfer Radical Polymerization. Macromolecules, 2001, 34, 4375-4383.	2.2	400
154	Anionic block copolymerization of vinyl functionalized triphenylphosphines with styrene. Macromolecular Chemistry and Physics, 2000, 201, 740-746.	1.1	9
155	Synthesis and Induced Micellization of Pd-Containing Polystyrene-block-poly-m-vinyltriphenylphosphine Diblock Copolymers. Chemistry of Materials, 2000, 12, 114-121.	3.2	39
156	Anionic polymerization of butyl acrylate with metal free initiator systems containing [1-tert-butyl-4,4,4-tris(dimethylamino)-2,2-bis[tris(dimethylamino)-phosphor-anylidenamino]-2Î»5, 4Î»-5-catenadi(phosphazene)] base (P4-tert-butyl-phosphazene base). Macromolecular Chemistry and Physics, 1998, 199, 1815-1820.	1.1	17