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	Modern trends in polymer bioconjugates design. Progress in Polymer Science, 2008, 33, 1-39.	11.8	500
2	Synthesis of Molecular Brushes with Block Copolymer Side Chains Using Atom Transfer Radical Polymerization. Macromolecules, 2001, 34, 4375-4383.	2.2	400
3	Controlled Cell Adhesion on PEGâ€Based Switchable Surfaces. Angewandte Chemie - International Edition, 2008, 47, 5666-5668.	7.2	347
4	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
5	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
6	Bioinspired functional block copolymers. Soft Matter, 2007, 3, 394-408.	1.2	212
7	Molecular brushes as super-soft elastomers. Polymer, 2006, 47, 7198-7206.	1.8	194
8	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
9	Synthesis of Molecular Brushes with Gradient in Grafting Density by Atom Transfer Polymerization. Macromolecules, 2002, 35, 3387-3394.	2.2	183
10	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
11	Study of the neutron quantum states in the gravity field. European Physical Journal C, 2005, 40, 479-491.	1.4	159
12	Switch-Peptides to Trigger the Peptide Guided Assembly of Poly(ethylene oxide)âˆ’Peptide Conjugates into Tape Structures. Journal of the American Chemical Society, 2006, 128, 7722-7723.	6.6	148
13	Precision Polymers: Monodisperse, Monomerâ€Sequenceâ€Defined Segments to Target Future Demands of Polymers in Medicine. Advanced Materials, 2009, 21, 3425-3431.	11.1	148
14	Solid-Phase Supported Polymer Synthesis of Sequence-Defined, Multifunctional Poly(amidoamines). Biomacromolecules, 2006, 7, 1239-1244.	2.6	134
15	Peptide-Directed Microstructure Formation of Polymers in Organic Media. Journal of the American Chemical Society, 2006, 128, 14142-14149.	6.6	126
16	Rational design of oligopeptide organizers for the formation of poly(ethylene oxide) nanofibers. Chemical Communications, 2005, , 2814.	2.2	122
17	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
18	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

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19	Sequence-Defined Polypeptideâˆ’Polymer Conjugates Utilizing Reversible Addition Fragmentation Transfer Radical Polymerization. Macromolecules, 2005, 38, 10643-10649.	2.2	118
20	Self-Assembling Peptideâˆ’Polymer Conjugates Comprising (d-alt-l)-Cyclopeptides as Aggregator Domains. Macromolecules, 2006, 39, 7831-7838.	2.2	111
21	Easy Access to Bioactive Peptideâˆ’Polymer Conjugates via RAFT. Macromolecules, 2008, 41, 1073-1075.	2.2	109
22	Field-Driven Biofunctionalization of Polymer Fiber Surfaces during Electrospinning. Advanced Materials, 2007, 19, 87-91.	11.1	106
23	(Bio)Molecular Surface Patterning by Phototriggered Oxime Ligation. Angewandte Chemie - International Edition, 2012, 51, 9181-9184.	7.2	106
24	Biotransformation on Polymerâ€“Peptide Conjugates: A Versatile Tool to Trigger Microstructure Formation. Angewandte Chemie - International Edition, 2009, 48, 6431-6434.	7.2	99
25	Tailorâ€Made Poly(amidoamine)s for Controlled Complexation and Condensation of DNA. Chemistry - A European Journal, 2008, 14, 2025-2033.	1.7	97
26	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
27	Mimicking Biosilicification: Programmed Coassembly of Peptideâ€“Polymer Nanotapes and Silica. Angewandte Chemie - International Edition, 2007, 46, 9023-9026.	7.2	81
28	A tailored organometallic gelator with enhanced amphiphilic character and structural diversity of gelation. Chemical Communications, 2007, , 1894-1895.	2.2	73
29	Peptide-Guided Organization of Peptideâˆ’Polymer Conjugates:Â Expanding the Approach from Oligo- to Polymers. Macromolecules, 2007, 40, 9224-9232.	2.2	73
30	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
31	'Click' Bioconjugation of a Well-Defined Synthetic Polymer and a Protein Transduction Domain. Australian Journal of Chemistry, 2007, 60, 410.	0.5	70
32	<i>Î»</i>â€Orthogonal Pericyclic Macromolecular Photoligation. Angewandte Chemie - International Edition, 2015, 54, 2838-2843.	7.2	70
33	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
34	Graft copolymers by atom transfer polymerization. Macromolecular Symposia, 2002, 177, 1-16.	0.4	68
35	Influence of Selected Artificial Peptides on Calcium Carbonate Precipitation - A Quantitative Study. Crystal Growth and Design, 2009, 9, 2398-2403.	1.4	64
36	Functional Polymer-Bioconjugates as Molecular LEGOÂ® Bricks. Macromolecular Chemistry and Physics, 2007, 208, 124-130.	1.1	62

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37	Precision Polymersâ€”Modern Tools to Understand and Program Macromolecular Interactions. Macromolecular Rapid Communications, 2011, 32, 115-126.	2.0	62
38	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
39	Organization of Self-Assembled Peptideâ˜'Polymer Nanofibers in Solution. Macromolecules, 2008, 41, 1430-1437.	2.2	55
40	Single-Step Electrospinning to Bioactive Polymer Nanofibers. Macromolecules, 2011, 44, 453-461.	2.2	54
41	Singleâ€Step Electrospinning of Bimodal Fiber Meshes for Ease of Cellular Infiltration. Macromolecular Rapid Communications, 2010, 31, 59-64.	2.0	53
42	Complex single-chain polymer topologies locked by positionable twin disulfide cyclic bridges. Chemical Communications, 2014, 50, 1570.	2.2	52
43	Mussel-Glue Derived Peptideâ€"Polymer Conjugates to Realize Enzyme-Activated Antifouling Coatings. ACS Macro Letters, 2012, 1, 871-875.	2.3	50
44	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
45	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
46	Exploiting Specific Interactions toward Next-Generation Polymeric Drug Transporters. Journal of the American Chemical Society, 2013, 135, 1711-1714.	6.6	48
47	Modular Ligation of Thioamide Functional Peptides onto Solid Cellulose Substrates. Advanced Functional Materials, 2012, 22, 3853-3864.	7.8	46
48	Spatially Controlled Photochemical Peptide and Polymer Conjugation on Biosurfaces. Biomacromolecules, 2013, 14, 4340-4350.	2.6	46
49	Real-Time Scanning Force Microscopy of Macromolecular Conformational Transitions. Macromolecular Rapid Communications, 2004, 25, 1703-1707.	2.0	45
50	Design and biological activity of Î²-sheet breaker peptide conjugates. Biochemical and Biophysical Research Communications, 2009, 380, 397-401.	1.0	45
51	Fluorinated beta-sheet breaker peptides. Journal of Materials Chemistry B, 2014, 2, 2259-2264.	2.9	44
52	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. Angewandte Chemie - International Edition, 2018, 57, 15728-15732.	7.2	42
53	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
54	Fieldâ€Driven Surface Segregation of Biofunctional Species on Electrospun PMMA/PEO Microfibers. Macromolecular Rapid Communications, 2008, 29, 1455-1460.	2.0	41

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55	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
56	Characterization of Peptide-Guided Polymer Assembly at the Air/Water Interface. Langmuir, 2008, 24, 3306-3316.	1.6	41
57	Self-Assembling Nanofibers from Thiopheneâ€“Peptide Diblock Oligomers: A Combined Experimental and Computer Simulations Study. ACS Nano, 2011, 5, 6894-6909.	7.3	41
58	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
59	Synthesis and Induced Micellization of Pd-Containing Polystyrene-block-poly-m-vinyltriphenylphosphine Diblock Copolymers. Chemistry of Materials, 2000, 12, 114-121.	3.2	39
60	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
61	Sequence Positioning of Disulfide Linkages to Program the Degradation of Monodisperse Poly(amidoamines). Macromolecules, 2007, 40, 7771-7776.	2.2	39
62	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
63	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
64	Novel Organometallic Gelators with Enhanced Amphiphilic Character: Structureâ^'Property Correlations, Principles for Design, and Diversity of Gelation. Organometallics, 2009, 28, 1377-1382.	1.1	36
65	Bioconjugates to specifically render inhibitorswater-soluble. Soft Matter, 2010, 6, 88-91.	1.2	36
66	â€œInverseâ€•synthesis of polymer bioconjugates using soluble supports. Chemical Communications, 2012, 48, 3887.	2.2	36
67	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
68	Learning from Peptides to Access Functional Precision Polymer Sequences. Angewandte Chemie - International Edition, 2019, 58, 10747-10751.	7.2	35
69	Mesoporous Calcite by Polymer Templating. Crystal Growth and Design, 2008, 8, 1792-1794.	1.4	33
70	Accessing the Next Generation of Synthetic Musselâ€Glue Polymers via Musselâ€Inspired Polymerization. Angewandte Chemie - International Edition, 2021, 60, 6408-6413.	7.2	33
71	Intradermal drug delivery by nanogel-peptide conjugates; specific and efficient transport of temoporfin. Journal of Controlled Release, 2016, 242, 35-41.	4.8	32
72	Controlled growth of silver nanoparticle arrays guided by a self-assembled polymerâ€“peptide conjugate. Soft Matter, 2010, 6, 3160.	1.2	31

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73	Effect of chain topology on the self-organization and the mechanical properties of poly(n-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	30
74	Spatially Controlled Surface Immobilization of Nonmodified Peptides. Angewandte Chemie - International Edition, 2013, 52, 9714-9718.	7.2	30
75	Toward Artificial Musselâ€Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. Angewandte Chemie - International Edition, 2020, 59, 18495-18499.	7.2	29
76	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
77	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
78	Synthesis ofdl-Alanine Hollow Tubes and Core-Shell Mesostructures. Chemistry - A European Journal, 2006, 12, 7882-7888.	1.7	25
79	Generic Biocombinatorial Strategy to Select Tailorâ€Made Stabilizers for Solâ€"Gel Nanoparticle Synthesis. Small, 2015, 11, 4303-4308.	5.2	25
80	Synthesis of Poly(tartar amides) as Bio-Inspired Antifreeze Additives. Macromolecular Rapid Communications, 2006, 27, 1660-1664.	2.0	24
81	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
82	A modular approach towards functional decoration of peptideâ€"polymer nanotapes. Chemical Communications, 2010, 46, 8938.	2.2	22
83	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
84	<i>Î»</i>â€Orthogonale Photochemie: Lichtinduzierte pericyclische Reaktionen an MakromolekÃ¼len. Angewandte Chemie, 2015, 127, 2880-2885.	1.6	21
85	Identification of Functional Peptide Sequences to Lead the Design of Precision Polymers. Macromolecular Rapid Communications, 2017, 38, 1700632.	2.0	21
86	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
87	Polypeptide-Based Organogelators: Effects of Secondary Structure. Macromolecules, 2011, 44, 7489-7492.	2.2	20
88	On the Interaction of Adherent Cells with Thermoresponsive Polymer Coatings. Polymers, 2014, 6, 1164-1177.	2.0	20
89	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
90	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

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91	BaCO3 mesocrystals: new morphologies using peptideâ€“polymer conjugates as crystallization modifiers. Physical Chemistry Chemical Physics, 2010, 12, 11984.	1.3	19
92	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
93	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
94	Easy access to triazolinedione-endcapped peptides for chemical ligation. Chemical Communications, 2017, 53, 593-596.	2.2	19
95	Enzyme-Triggered Antifouling Coatings: Switching Bioconjugate Adsorption via Proteolytically Cleavable Interfering Domains. ACS Macro Letters, 2016, 5, 583-587.	2.3	18
96	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
97	Tuning mechanical reinforcement and bioactivity of 3D printed ternary nanocomposites by interfacial peptide-polymer conjugates. Biofabrication, 2019, 11, 035028.	3.7	18
98	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
99	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
100	High Rate Silicification of Peptideâ€Polymer Assemblies Toward Composite Nanotapes. Macromolecular Rapid Communications, 2008, 29, 419-424.	2.0	16
101	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
102	Precision Macromolecular Chemistry. Macromolecular Rapid Communications, 2011, 32, 113-114.	2.0	15
103	Superparamagnetic coreâ€“shell nanoparticles as solid supports for peptide synthesis. Chemical Communications, 2012, 48, 7176.	2.2	15
104	Methionine³²⁹ in human serum albumin: A novel target for alkylation by sulfur mustard. Drug Testing and Analysis, 2019, 11, 659-668.	1.6	15
105	Blendable Peptideâ€Polymer Nanofibers to Modulate Mechanical Properties of Polymers. Macromolecular Bioscience, 2009, 9, 187-194.	2.1	14
106	Specific Drug Formulation Additives: Revealing the Impact of Architecture and Block Length Ratio. Biomacromolecules, 2015, 16, 3308-3312.	2.6	14
107	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
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

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109	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
110	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. Angewandte Chemie, 2018, 130, 15954-15958.	1.6	13
111	Interface-controlled calcium phosphate mineralization: effect of oligo(aspartic acid)-rich interfaces. CrystEngComm, 2015, 17, 6901-6913.	1.3	12
112	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
113	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
114	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
115	Convenient Routes to Efficiently N-PEGylated Peptides. ACS Macro Letters, 2013, 2, 641-644.	2.3	11
116	Combinatorial Screening for Specific Drug Solubilizers with Switchable Release Profiles. Macromolecular Bioscience, 2015, 15, 82-89.	2.1	11
117	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
118	102Ru: A pivotal nucleus in theAâˆ¼100region. Physical Review C, 2011, 84, .	1.1	10
119	PEGylated Precision Segments Based on Sequenceâ€Defined Thiolactone Oligomers. Macromolecular Rapid Communications, 2017, 38, 1700688.	2.0	10
120	Anionic block copolymerization of vinyl functionalized triphenylphosphines with styrene. Macromolecular Chemistry and Physics, 2000, 201, 740-746.	1.1	9
121	Designing Three-Dimensional Materials at the Interface to Biology. Advances in Polymer Science, 2010, , 163-192.	0.4	9
122	Precision compatibilizers for composites: in-between self-aggregation, surfaces recognition and interface stabilization. Soft Matter, 2018, 14, 1992-1995.	1.2	9
123	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
124	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
125	Topologyâ€Dependent Swichability of Peptide Secondary Structures in Bioconjugates with Complex Architectures. Macromolecular Rapid Communications, 2014, 35, 180-185.	2.0	8
126	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

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127	Ein einfacher Zugang zu funktionalen Mustern auf Cellulosepapier durch Kombination von Laserdruck und materialspezifischer Peptidadsorption. Angewandte Chemie, 2016, 128, 11435-11440.	1.6	7
128	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
129	Gaining Insights into Specific Drug Formulation Additives for Solubilizing a Potential Antiâ€Alzheimer Disease Drug B4A1. Macromolecular Bioscience, 2017, 17, 1700109.	2.1	6
130	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
131	Efficient Screening of Combinatorial Peptide Libraries by Spatially Ordered Beads Immobilized on Conventional Glass Slides. High-Throughput, 2019, 8, 11.	4.4	6
132	Eintauchen in den Sequenzraum der Thiolactonâ€PrÃzisionspolymere: eine kombinatorische Strategie zur Identifizierung funktionaler DomÃnen. Angewandte Chemie, 2019, 131, 1980-1984.	1.6	6
133	Toward Artificial Musselâ€Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. Angewandte Chemie, 2020, 132, 18653-18657.	1.6	6
134	Conjugates of Polymers and Sequence-Defined Polypeptides via Controlled Radical Polymerization. ACS Symposium Series, 2006, , 198-213.	0.5	5
135	Lipidâ€DNAs as Solubilizers of <i>m</i>THPC. Chemistry - A European Journal, 2018, 24, 798-802.	1.7	5
136	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
137	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
138	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
139	Von Peptiden lernen: eine Strategie fÃ¼r das Design funktionaler PrÃzisionspolymerâ€Sequenzen. Angewandte Chemie, 2019, 131, 10858-10863.	1.6	4
140	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
141	Information-Based Design of Polymeric Drug Formulation Additives. Biomacromolecules, 2021, 22, 213-221.	2.6	4
142	Activity Control of Mussel Glue Derived Enzymes: A Study on Thermoresponsive Tyrosinase-PNIPAM Conjugates. ACS Symposium Series, 2012, , 271-285.	0.5	3
143	Templated CaCO₃ Crystallization by Submicrometer and Nanosized Fibers. Langmuir, 2016, 32, 8951-8959.	1.6	3
144	Bioconjugates of polymers and sequence-defined peptides by reversible addition fragmentation chain transfer radical polymerization. ACS Symposium Series, 2009, , 265-278.	0.5	2

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145	Peptide-Polymer Conjugates as Model Systems To Explore the Functional Space of Precision Polymers. ACS Symposium Series, 2014, , 55-69.	0.5	2
146	Synthesis of conjugates combining macromolecular brushes and rigid macrocycles. Polymer, 2015, 72, 422-427.	1.8	2
147	Expanding the Material Space of Biosustainable Poly(sophorolipids) by Modular Functionalization. Macromolecular Rapid Communications, 2019, 40, e1800612.	2.0	2
148	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
149	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
150	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
151	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
152	Makromolekulare Chemie 2006. Nachrichten Aus Der Chemie, 2007, 55, 306-312.	0.0	0
153	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 1 0.784314 rgBT /(	1.9	
154	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
155	Die nÃchste Generation synthetischer Muschelkleberpolymere durch muschelinspirierte Polymerisation. Angewandte Chemie, 2021, 133, 6479-6484.	1.6	0
156	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