

Jan van Hest

List of Publications by Year in descending order

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318
papers

22,552
citations

8181

76
h-index

11308

136
g-index

329
all docs

329
docs citations

329
times ranked

20730
citing authors

#	ARTICLE	IF	CITATIONS
1	Readily Accessible Bicyclononynes for Bioorthogonal Labeling and Three-Dimensional Imaging of Living Cells. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9422-9425.	13.8	592
2	Autonomous movement of platinum-loaded stomatocytes. <i>Nature Chemistry</i> , 2012, 4, 268-274.	13.6	519
3	Aza-dibenzocyclooctynes for fast and efficient enzyme PEGylation via copper-free (3+2) cycloaddition. <i>Chemical Communications</i> , 2010, 46, 97-99.	4.1	494
4	Modular synthesis of block copolymers via cycloaddition of terminal azide and alkyne functionalized polymers. <i>Chemical Communications</i> , 2005, , 57.	4.1	475
5	Polymeric vesicles in biomedical applications. <i>Polymer Chemistry</i> , 2011, 2, 1449.	3.9	470
6	Cascade Reactions in Multicompartmentalized Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 146-150.	13.8	463
7	Artificial Cells: Synthetic Compartments with Life-like Functionality and Adaptivity. <i>Accounts of Chemical Research</i> , 2017, 50, 769-777.	15.6	456
8	Peptide- and Protein-Based Hydrogels. <i>Chemistry of Materials</i> , 2012, 24, 759-773.	6.7	430
9	Elastin as a biomaterial for tissue engineering. <i>Biomaterials</i> , 2007, 28, 4378-4398.	11.4	416
10	Positional Assembly of Enzymes in Polymersome Nanoreactors for Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7378-7382.	13.8	391
11	Biohybrid Polymer Capsules. <i>Chemical Reviews</i> , 2009, 109, 6212-6274.	47.7	375
12	Protein-based materials, toward a new level of structural control. <i>Chemical Communications</i> , 2001, , 1897-1904.	4.1	368
13	The chemistry of tissue adhesive materials. <i>Progress in Polymer Science</i> , 2014, 39, 1375-1405.	24.7	337
14	A Polymersome Nanoreactor with Controllable Permeability Induced by Stimuli-Responsive Block Copolymers. <i>Advanced Materials</i> , 2009, 21, 2787-2791.	21.0	320
15	A Three-Enzyme Cascade Reaction through Positional Assembly of Enzymes in a Polymersome Nanoreactor. <i>Chemistry - A European Journal</i> , 2009, 15, 1107-1114.	3.3	319
16	Stimulus responsive peptide based materials. <i>Chemical Society Reviews</i> , 2010, 39, 3394.	38.1	284
17	Efficient Incorporation of Unsaturated Methionine Analogues into Proteins in Vivo. <i>Journal of the American Chemical Society</i> , 2000, 122, 1282-1288.	13.7	265
18	Bio-inks for 3D bioprinting: recent advances and future prospects. <i>Polymer Chemistry</i> , 2017, 8, 4451-4471.	3.9	256

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19	Self-propelled supramolecular nanomotors with temperature-responsive speed regulation. <i>Nature Chemistry</i> , 2017, 9, 480-486.	13.6	254
20	Polymersome Colloidosomes for Enzyme Catalysis in a Biphasic System. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10746-10750.	13.8	250
21	Compartmentalization Approaches in Soft Matter Science: From Nanoreactor Development to Organelle Mimics. <i>Advanced Materials</i> , 2016, 28, 1109-1128.	21.0	250
22	Peptide based amphiphiles. <i>Chemical Society Reviews</i> , 2004, 33, 234-245.	38.1	242
23	Polypeptide-polymer bioconjugates. <i>Chemical Society Reviews</i> , 2010, 39, 329-353.	38.1	240
24	Dynamic Loading and Unloading of Proteins in Polymeric Stomatocytes: Formation of an Enzyme-Loaded Supramolecular Nanomotor. <i>ACS Nano</i> , 2016, 10, 2652-2660.	14.6	240
25	Staudinger Ligation as a Method for Bioconjugation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8806-8827.	13.8	239
26	Multi-enzyme systems: bringing enzymes together in vitro. <i>Soft Matter</i> , 2012, 8, 1736-1746.	2.7	236
27	Preparation of biohybrid amphiphiles via the copper catalysed Huisgen [3 + 2] dipolar cycloaddition reaction. <i>Chemical Communications</i> , 2005, , 4172.	4.1	201
28	Polymersome Stomatocytes: Controlled Shape Transformation in Polymer Vesicles. <i>Journal of the American Chemical Society</i> , 2010, 132, 12522-12524.	13.7	199
29	Smart nanocontainers and nanoreactors. <i>Nanoscale</i> , 2010, 2, 844.	5.6	194
30	From polymeric nanoreactors to artificial organelles. <i>Chemical Science</i> , 2012, 3, 335-342.	7.4	190
31	Self-Guided Supramolecular Cargo-Loaded Nanomotors with Chemotactic Behavior towards Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11662-11665.	13.8	189
32	Manipulation of micro- and nanostructure motion with magnetic fields. <i>Soft Matter</i> , 2014, 10, 1295-1308.	2.7	184
33	Stimuli-responsive polymersomes and nanoreactors. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4632-4647.	5.8	179
34	Feedback-Induced Temporal Control of "Breathing" Polymersomes To Create Self-Adaptive Nanoreactors. <i>Journal of the American Chemical Society</i> , 2018, 140, 5356-5359.	13.7	176
35	Hierarchical Self-Assembly of a Copolymer-Stabilized Coacervate Protocell. <i>Journal of the American Chemical Society</i> , 2017, 139, 17309-17312.	13.7	175
36	Erythrocyte Membrane Modified Janus Polymeric Motors for Thrombus Therapy. <i>ACS Nano</i> , 2018, 12, 4877-4885.	14.6	168

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37	Elastin-Based Side-Chain Polymers Synthesized by ATRP. <i>Macromolecules</i> , 2003, 36, 5967-5973.	4.8	165
38	Controlled Assembly of Macromolecular β -Sheet Fibrils. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1968-1971.	13.8	157
39	Polymeric Microcapsules for Synthetic Applications. <i>Macromolecular Bioscience</i> , 2008, 8, 991-1005.	4.1	156
40	Functionalization of protein-based nanocages for drug delivery applications. <i>Nanoscale</i> , 2014, 6, 7124-7141.	5.6	153
41	Oppositely Charged Gelatin Nanospheres as Building Blocks for Injectable and Biodegradable Gels. <i>Advanced Materials</i> , 2011, 23, H119-24.	21.0	148
42	Physicochemical Properties and Applications of Poly(lactic-co-glycolic acid) for Use in Bone Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2013, 19, 380-390.	4.8	147
43	Polymeric Monosaccharide Receptors Responsive at Neutral pH. <i>Journal of the American Chemical Society</i> , 2009, 131, 13908-13909.	13.7	143
44	Bioorthogonal labelling of biomolecules: new functional handles and ligation methods. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6439.	2.8	142
45	“Clickable” polymersomes. <i>Chemical Communications</i> , 2007, , 3136.	4.1	140
46	Acid-Activatable Transmorphic Peptide-Based Nanomaterials for Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20582-20588.	13.8	134
47	Cellular Integration of an Enzyme-Loaded Polymersome Nanoreactor. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7213-7216.	13.8	133
48	A Compartmentalized Out-of-Equilibrium Enzymatic Reaction Network for Sustained Autonomous Movement. <i>ACS Central Science</i> , 2016, 2, 843-849.	11.3	133
49	Enzymes containing porous polymersomes as nano reaction vessels for cascade reactions. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4315.	2.8	126
50	Modular synthesis of ABC type block copolymers by “click” chemistry. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2913-2924.	2.3	125
51	A virus-based biocatalyst. <i>Nature Nanotechnology</i> , 2007, 2, 226-229.	31.5	115
52	The hallmarks of living systems: towards creating artificial cells. <i>Interface Focus</i> , 2018, 8, 20180023.	3.0	111
53	Intercellular communication between artificial cells by allosteric amplification of a molecular signal. <i>Nature Communications</i> , 2020, 11, 1652.	12.8	106
54	Formation of Well-Defined, Functional Nanotubes via Osmotically Induced Shape Transformation of Biodegradable Polymersomes. <i>Journal of the American Chemical Society</i> , 2016, 138, 9353-9356.	13.7	105

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55	Chemical approaches for the construction of multi-enzyme reaction systems. <i>Current Opinion in Structural Biology</i> , 2013, 23, 613-621.	5.7	104
56	Designing Two Self-Assembly Mechanisms into One Viral Capsid Protein. <i>Journal of the American Chemical Society</i> , 2012, 134, 18506-18509.	13.7	101
57	Mimicking Cellular Compartmentalization in a Hierarchical Protocell through Spontaneous Spatial Organization. <i>ACS Central Science</i> , 2019, 5, 1360-1365.	11.3	101
58	Oligo(<i>p</i> -phenylenevinylene)-Peptide Conjugates: Synthesis and Self-Assembly in Solution and at the Solid-Liquid Interface. <i>Journal of the American Chemical Society</i> , 2008, 130, 14576-14583.	13.7	100
59	Stimulus Responsive Behavior of Elastin-Based Side Chain Polymers. <i>Macromolecules</i> , 2005, 38, 1699-1704.	4.8	99
60	Peptide-Mediated Blood-Brain Barrier Transport of Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8339-8342.	13.8	98
61	Single-Step Azide Introduction in Proteins via an Aqueous Diazo Transfer. <i>Bioconjugate Chemistry</i> , 2009, 20, 20-23.	3.6	97
62	Photoactivated nanomotors via aggregation induced emission for enhanced phototherapy. <i>Nature Communications</i> , 2021, 12, 2077.	12.8	97
63	Surface-Charge-Switchable Nanoclusters for Magnetic Resonance Imaging-Guided and Glutathione Depletion-Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020, 14, 11225-11237.	14.6	94
64	Biosynthetic-Synthetic Polymer Conjugates. <i>Polymer Reviews</i> , 2007, 47, 63-92.	10.9	93
65	Controlled Shape Transformation of Polymersome Stomatocytes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7070-7073.	13.8	92
66	Therapeutic nanoworms: towards novel synthetic dendritic cells for immunotherapy. <i>Chemical Science</i> , 2013, 4, 4168.	7.4	91
67	Polymersome Nanoreactors for Enzymatic Ring-Opening Polymerization. <i>Biomacromolecules</i> , 2007, 8, 3723-3728.	5.4	88
68	Flash Chemistry Extensively Optimized: High-Temperature Swern-Moffatt Oxidation in an Automated Microreactor Platform. <i>Chemistry - an Asian Journal</i> , 2010, 5, 799-805.	3.3	83
69	Permeability Effects on the Efficiency of Antioxidant Nanoreactors. <i>Biomacromolecules</i> , 2013, 14, 2364-2372.	5.4	83
70	Efficient introduction of alkene functionality into proteins in vivo. <i>FEBS Letters</i> , 1998, 428, 68-70.	2.8	82
71	Elastin-Based Side-Chain Polymers: Improved Synthesis via RAFT and Stimulus Responsive Behavior. <i>Macromolecules</i> , 2007, 40, 6094-6099.	4.8	81
72	A Block Copolymer for Functionalisation of Polymersome Surfaces. <i>Macromolecular Rapid Communications</i> , 2008, 29, 321-325.	3.9	81

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73	Supramolecular Adaptive Nanomotors with Magnetotaxis Behavior. <i>Advanced Materials</i> , 2017, 29, 1604996.	21.0	81
74	Site-Specific Modification of <i>Candida antarctica</i> Lipase B via Residue-Specific Incorporation of a Non-Canonical Amino Acid. <i>Bioconjugate Chemistry</i> , 2008, 19, 1127-1131.	3.6	80
75	Synthetic cells and organelles: compartmentalization strategies. <i>BioEssays</i> , 2009, 31, 1299-1308.	2.5	80
76	Exploring the Impact of Morphology on the Properties of Biodegradable Nanoparticles and Their Diffusion in Complex Biological Medium. <i>Biomacromolecules</i> , 2021, 22, 126-133.	5.4	80
77	Copper-Free Clickable Coatings. <i>Advanced Functional Materials</i> , 2009, 19, 3464-3470.	14.9	79
78	One-Step Photochemical Attachment of NHS-Terminated Monolayers onto Silicon Surfaces and Subsequent Functionalization. <i>Langmuir</i> , 2008, 24, 7931-7938.	3.5	78
79	Bioorthogonal chemistry in living organisms. <i>Chemical Science</i> , 2014, 5, 2123.	7.4	78
80	Tuning Secondary Structure and Self-Assembly of Amphiphilic Peptides. <i>Langmuir</i> , 2005, 21, 524-526.	3.5	74
81	Synthesis of Bio-Inspired Hybrid Polymers Using Peptide Synthesis and Protein Engineering. <i>Advances in Polymer Science</i> , 2006, , 19-52.	0.8	74
82	Photoactivated Polymersome Nanomotors: Traversing Biological Barriers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16918-16925.	13.8	74
83	Metal-free and pH-controlled introduction of azides in proteins. <i>Chemical Science</i> , 2011, 2, 701.	7.4	73
84	Peptide-polymer vesicles prepared by atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 6355-6366.	2.3	70
85	Tubular Polymersomes: A Cross-Linker-Induced Shape Transformation. <i>Journal of the American Chemical Society</i> , 2013, 135, 16308-16311.	13.7	70
86	A covalent and cleavable antibody-DNA conjugation strategy for sensitive protein detection via immuno-PCR. <i>Scientific Reports</i> , 2016, 6, 22675.	3.3	70
87	Next Generation Hemostatic Materials Based on NHS-Ester Functionalized Poly(2-oxazoline)s. <i>Biomacromolecules</i> , 2017, 18, 2529-2538.	5.4	70
88	Adaptive Polymersome Nanoreactors. <i>ChemNanoMat</i> , 2019, 5, 1092-1109.	2.8	70
89	Cascade reactions in nanoreactors. <i>Current Opinion in Biotechnology</i> , 2014, 28, 10-16.	6.6	69
90	Biodegradable polymeric microcapsules for selective ultrasound-triggered drug release. <i>Soft Matter</i> , 2011, 7, 5417.	2.7	67

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91	Fabrication of Gelatin Microgels by a "Cast" Strategy for Controlled Drug Release. <i>Advanced Functional Materials</i> , 2012, 22, 2673-2681.	14.9	67
92	Strain-Promoted Oxidation-Controlled Cyclooctyne-1,2-Quinone Cycloaddition (SPOCQ) for Fast and Activatable Protein Conjugation. <i>Bioconjugate Chemistry</i> , 2015, 26, 257-261.	3.6	67
93	Fibril Formation by Triblock Copolymers of Silklike β -Sheet Polypeptides and Poly(ethylene glycol). <i>Macromolecules</i> , 2006, 39, 2989-2997.	4.8	66
94	Self-Regulated and Temporal Control of a "Breathing" Microgel Mediated by Enzymatic Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12581-12585.	13.8	66
95	Constrained and UV-activatable cell-penetrating peptides for intracellular delivery of liposomes. <i>Journal of Controlled Release</i> , 2012, 164, 87-94.	9.9	65
96	Synthesis of Diaminosuberic Acid Derivatives via Ring-Closing Alkyne Metathesis. <i>Journal of Organic Chemistry</i> , 2001, 66, 3584-3589.	3.2	64
97	Size Dependent Biodistribution and SPECT Imaging of ^{111}In -Labeled Polymersomes. <i>Bioconjugate Chemistry</i> , 2012, 23, 958-965.	3.6	64
98	Development of injectable organic/inorganic colloidal composite gels made of self-assembling gelatin nanospheres and calcium phosphate nanocrystals. <i>Acta Biomaterialia</i> , 2014, 10, 508-519.	8.3	63
99	Biodegradable Synthetic Organelles Demonstrate ROS Shielding in Human-Complex-I-Deficient Fibroblasts. <i>ACS Central Science</i> , 2018, 4, 917-928.	11.3	63
100	Continuous one-flow multi-step synthesis of active pharmaceutical ingredients. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1186-1197.	3.7	63
101	Atom Transfer Radical Polymerization of Adenine, Thymine, Cytosine, and Guanine Nucleobase Monomers. <i>Macromolecules</i> , 2007, 40, 12-18.	4.8	60
102	Elastomeric Polypeptides. <i>Topics in Current Chemistry</i> , 2011, 310, 71-116.	4.0	60
103	Tuning Ice Nucleation with Supercharged Polypeptides. <i>Advanced Materials</i> , 2016, 28, 5008-5012.	21.0	59
104	Reversible Immobilization onto PEG-based Emulsion-templated Porous Polymers by Co-assembly of Stimuli Responsive Polymers. <i>Advanced Materials</i> , 2009, 21, 55-59.	21.0	58
105	Continuous flow azide formation: Optimization and scale-up. <i>Chemical Engineering Journal</i> , 2011, 167, 556-559.	12.7	58
106	Elastin-Like Polypeptide Based Nanoparticles: Design Rationale Toward Nanomedicine. <i>Macromolecular Bioscience</i> , 2015, 15, 36-51.	4.1	58
107	Accelerated living cationic ring-opening polymerization of a methyl ester functionalized 2-oxazoline monomer. <i>Polymer Chemistry</i> , 2015, 6, 514-518.	3.9	58
108	Biomimicry of Cellular Motility and Communication Based on Synthetic Soft Architectures. <i>Small</i> , 2020, 16, e1907680.	10.0	58

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109	Synthesis and assembly behavior of nucleobase-functionalized block copolymers. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4242-4250.	2.3	57
110	Programmed spatial organization of biomacromolecules into discrete, coacervate-based protocells. <i>Nature Communications</i> , 2020, 11, 6282.	12.8	57
111	Fuel concentration dependent movement of supramolecular catalytic nanomotors. <i>Nanoscale</i> , 2013, 5, 1315-1318.	5.6	56
112	Hybrid Biodegradable Nanomotors through Compartmentalized Synthesis. <i>Nano Letters</i> , 2020, 20, 4472-4480.	9.1	56
113	Polymersome magneto-valves for reversible capture and release of nanoparticles. <i>Nature Communications</i> , 2014, 5, 5010.	12.8	55
114	Multifunctional PVCL nanogels with redox-responsiveness enable enhanced MR imaging and ultrasound-promoted tumor chemotherapy. <i>Theranostics</i> , 2020, 10, 4349-4358.	10.0	55
115	β -Sheet Side Chain Polymers Synthesized by Atom-Transfer Radical Polymerization. <i>Biomacromolecules</i> , 2005, 6, 825-831.	5.4	54
116	Cofactor regeneration in polymersome nanoreactors: enzymatically catalysed Baeyer-Villiger reactions. <i>Journal of Materials Chemistry</i> , 2011, 21, 18923.	6.7	54
117	Stabilization of Peptide Fibrils by Hydrophobic Interaction. <i>Langmuir</i> , 2007, 23, 2058-2063.	3.5	53
118	Cell-free microcompartmentalised transcription-translation for the prototyping of synthetic communication networks. <i>Current Opinion in Biotechnology</i> , 2019, 58, 72-80.	6.6	53
119	Enzymatic enantioselective C-C bond formation in microreactors. <i>Biotechnology and Bioengineering</i> , 2008, 99, 1028-1033.	3.3	50
120	Entrapment of Metal Nanoparticles in Polymer Stomatocytes. <i>Journal of the American Chemical Society</i> , 2012, 134, 9894-9897.	13.7	50
121	Sortase A-Mediated N-Terminal Modification of Cowpea Chlorotic Mottle Virus for Highly Efficient Cargo Loading. <i>Bioconjugate Chemistry</i> , 2015, 26, 2429-2434.	3.6	50
122	ATP-Mediated Transient Behavior of Stomatocyte Nanosystems. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13113-13118.	13.8	50
123	Amphiphilic AIEgen-polymer aggregates: Design, self-assembly and biomedical applications. <i>Aggregate</i> , 2022, 3, e128.	9.9	49
124	Fast Scale-Up Using Microreactors: Pyrrole Synthesis from Micro to Production Scale. <i>Organic Process Research and Development</i> , 2011, 15, 783-787.	2.7	48
125	Protein Modification by Strain-Promoted Alkyne-Azide Cycloaddition. <i>ChemBioChem</i> , 2011, 12, 1309-1312.	2.6	48
126	A DNA-based strategy for dynamic positional enzyme immobilization inside fused silica microchannels. <i>Chemical Science</i> , 2011, 2, 1278.	7.4	47

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127	In Vivo Biodistribution of Prion- and GM1-Targeted Polymersomes following Intravenous Administration in Mice. <i>Molecular Pharmaceutics</i> , 2012, 9, 1620-1627.	4.6	46
128	Synthesis and Self-Assembly of Well-Defined Elastin-Like Polypeptide-Poly(ethylene glycol) Conjugates. <i>Biomacromolecules</i> , 2014, 15, 2751-2759.	5.4	46
129	Nanoreactors for green catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 716-733.	2.2	46
130	pH responsive polymersome Pickering emulsion for simple and efficient Janus polymersome fabrication. <i>Chemical Communications</i> , 2014, 50, 14550-14553.	4.1	45
131	Highly efficient enzyme encapsulation in a protein nanocage: towards enzyme catalysis in a cellular nanocompartment mimic. <i>Nanoscale</i> , 2016, 8, 14467-14472.	5.6	45
132	Effect of Formulation and Processing Parameters on the Size of mPEG-b-p(HPMA-Bz) Polymeric Micelles. <i>Langmuir</i> , 2018, 34, 15495-15506.	3.5	45
133	Unusual rate enhancement in the thymine assisted ATRP process of adenine monomers. <i>Polymer</i> , 2005, 46, 8528-8535.	3.8	44
134	Preparation of Biodegradable Liquid Core PLLA Microcapsules and Hollow PLLA Microcapsules Using Microfluidics. <i>Macromolecular Bioscience</i> , 2010, 10, 475-480.	4.1	44
135	Effect of the Diacetylene Position on the Chromatic Properties of Polydiacetylenes from Self-Assembled Peptide Amphiphiles. <i>Biomacromolecules</i> , 2010, 11, 1676-1683.	5.4	44
136	Supramolecular Nanoscaffolds within Cytomimetic Protocells as Signal Localization Hubs. <i>Journal of the American Chemical Society</i> , 2020, 142, 9106-9111.	13.7	44
137	Fine-tuning the transition temperature of a stimuli-responsive polymer by a simple blending procedure. <i>Chemical Communications</i> , 2008, , 2230.	4.1	43
138	Synthesis of poly(2-oxazoline)s with side chain methyl ester functionalities: Detailed understanding of living copolymerization behavior of methyl ester containing monomers with 2-alkyl-2-oxazolines. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2649-2661.	2.3	43
139	“Clickable” elastins: elastin-like polypeptides functionalized with azide or alkyne groups. <i>Chemical Communications</i> , 2009, , 4022.	4.1	42
140	Bone Adhesive Materials: Clinical Requirements, Mechanisms of Action, and Future Perspective. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802021.	3.7	42
141	The right touch: design of artificial antigen-presenting cells to stimulate the immune system. <i>Chemical Science</i> , 2014, 5, 3355.	7.4	41
142	Self-Assembling VHH-Elastin-Like Peptides for Photodynamic Nanomedicine. <i>Biomacromolecules</i> , 2017, 18, 1302-1310.	5.4	41
143	Self-Assembly and Polymerization of Diacetylene-Containing Peptide Amphiphiles in Aqueous Solution. <i>Biomacromolecules</i> , 2008, 9, 2727-2734.	5.4	40
144	Robust formation of biodegradable polymersomes by direct hydration. <i>Polymer Chemistry</i> , 2015, 6, 691-696.	3.9	39

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145	Controlling the morphology of copolymeric vectors for next generation nanomedicine. <i>Journal of Controlled Release</i> , 2017, 259, 29-39.	9.9	39
146	Morphology Under Control: Engineering Biodegradable Stomatocytes. <i>ACS Macro Letters</i> , 2017, 6, 1217-1222.	4.8	39
147	Biosynthesis of an Amphiphilic Silk-Like Polymer. <i>Biomacromolecules</i> , 2008, 9, 1705-1711.	5.4	38
148	N-terminal dual protein functionalization by strain-promoted alkyne-azide cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2772.	2.8	38
149	Orientation of llama antibodies strongly increases sensitivity of biosensors. <i>Biosensors and Bioelectronics</i> , 2014, 60, 130-136.	10.1	38
150	A Fast and Activatable Cross-Linking Strategy for Hydrogel Formation. <i>Advanced Materials</i> , 2015, 27, 1235-1240.	21.0	38
151	Synthesis of pH- and thermoresponsive poly(<i>N</i> -propyl-oxazoline) based copolymers. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1573-1582.	2.3	38
152	CD44-targeted vesicles encapsulating granzyme B as artificial killer cells for potent inhibition of human multiple myeloma in mice. <i>Journal of Controlled Release</i> , 2020, 320, 421-430.	9.9	38
153	Artificial Organelles: Towards Adding or Restoring Intracellular Activity. <i>ChemBioChem</i> , 2021, 22, 2051-2078.	2.6	38
154	Metal Ion-Induced Self-Assembly of a Multi-Responsive Block Copolypeptide into Well-Defined Nanocapsules. <i>Small</i> , 2016, 12, 2476-2483.	10.0	37
155	Stabilization of a Virus-Like Particle and Its Application as a Nanoreactor at Physiological Conditions. <i>Biomacromolecules</i> , 2017, 18, 3492-3497.	5.4	37
156	Enzymatic synthesis of optically pure cyanohydrins in microchannels using a crude cell lysate. <i>Chemical Engineering Journal</i> , 2008, 135, S89-S92.	12.7	36
157	Legomedicine—A Versatile Chemo-Enzymatic Approach for the Preparation of Targeted Dual-Labeled Llama Antibody-Nanoparticle Conjugates. <i>Bioconjugate Chemistry</i> , 2017, 28, 539-548.	3.6	36
158	Physicochemical Characterization of Polymer-Stabilized Coacervate Protocells. <i>ChemBioChem</i> , 2019, 20, 2643-2652.	2.6	36
159	Site-Specific Immobilization of DNA in Glass Microchannels via Photolithography. <i>Langmuir</i> , 2009, 25, 13952-13958.	3.5	35
160	A filter-free blood-brain barrier model to quantitatively study transendothelial delivery of nanoparticles by fluorescence spectroscopy. <i>Journal of Controlled Release</i> , 2018, 289, 14-22.	9.9	35
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